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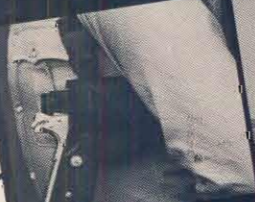
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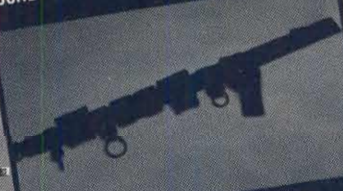
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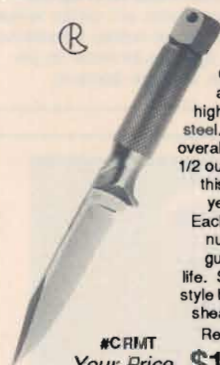
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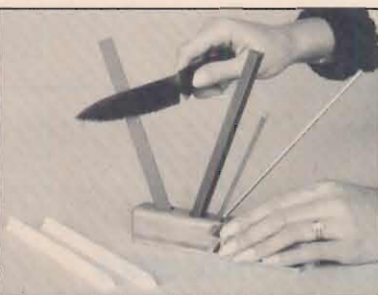
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OCTOBER 1988 VOLUME 10 NUMBER 10

ON THE COVER:

The British Sterling Mark 6 Carbine and Mark 7 Para Pistol are 9mm semiauto police and civilian versions of the famous military submachine guns. See page 24 (Photo by Jim Benson and Scott Stoddard).

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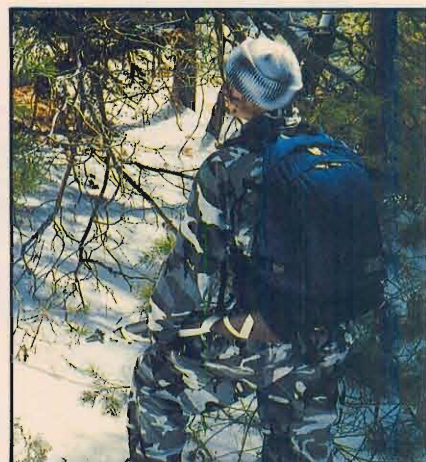
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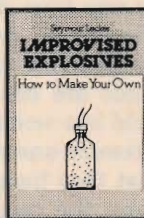
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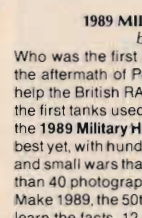
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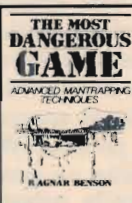
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TO THE POINT

Your vote, your future...

THIS may be the last time you read *ASG* before you vote in the November elections — or before you can register to vote. I want to use this space to emphasize how important it is that you *do* vote on November 8, particularly that you vote for the next president of the U.S.

I'm addressing those of you who could vote but who may not because you don't think it'll make much difference anyway or because you don't like the candidates, etc.

There are some readers who can't vote, for whatever reason. And then there are those who *won't* vote because they don't want to be on any type of government list, preferring to be, as much as possible, non-beings as far as any kind of official records are concerned. To those who could but won't vote because they wish to remain anonymous, I can only say that they have no right to complain about the type of government they wind up living under, since they chose not to have a say in the establishment of that government. To those of you still undecided about whether or not to vote, I urge you by all means to cast your vote and have a say in who is elected to be our next president and other government officials.

It is the right, the privilege and the essential duty of every citizen to take part in the running of our country by casting a ballot for the candidates believed to be best for president, governor, senator, representative, and so forth. Without this vital participation by the electorate, governmental power invariably falls into the hands of people who are incompetent, corrupt, greedy, immoral, evil.

Without a nation's citizenry watching the government operate, making their views known and choosing by ballot those who would run the nation, democracy and the liberties that prevail with it cease to exist.

We're at a political crossroads this year and the outcome of the November elections will mean a great deal in terms of the quality of our lives, the liberties we enjoy and the strength and security of our nation in the years ahead. Some people believe that there is really very little difference between

the candidates for president and other political offices and that all government is inherently bad and corrupt. I couldn't disagree more with such thinking. Let's take a look at the race for president. There will obviously be numerous candidates for the office, but, let's face it, there are only two possible candidates: Democrat Michael Dukakis and Republican George Bush.

I don't know much about the views of Dukakis and what he plans to do if elected president. His supporters portray him as a nice guy political moderate. But what I have heard or read on his views worries me.

As a conservative and someone who wants the maximum possible personal freedoms and rights with the minimum of government interference, I'm concerned when I read that Massachusetts Gov. Dukakis states that he wants to ban every rifle, pistol and shotgun in the state of Massachusetts.

The Republicans charge that Dukakis is actually a far-left liberal who will lean toward socialistic solutions for the nation's social and economic problems. Being a strong supporter of our Strategic Defense Initiative, I am concerned when I read that Dukakis says: "Some people want Star Wars. I want star schools."

On the other hand, Vice President Bush is a life member of the National Rifle Association, has considerable government experience at the federal level and has been a loyal supporter of President Reagan's policies. What I've heard of Bush's views on government I like and generally support.

But political rhetoric aside, as a conservative, the choice of who to vote for is fairly clear to me.

What about you? Are you concerned as I am that we keep our firearms freedoms and a strong national defense? Do you believe in capitalism and free enterprise or do you look to the political left to solve the nation's problems with big government fixes, higher taxes and restricted personal freedoms and rights?

The issues that will be decided on election day are too important for you to ignore. Get out and vote. It's your choice, your future — *Jim Benson*.

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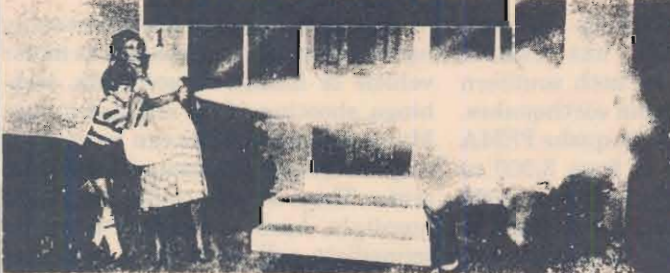
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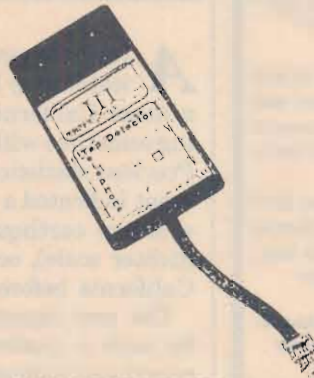
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Major California quake odds increased, Costa Rican fishermen set survival record, better trauma care needed, phone sabotage danger. . .

A report issued by the U.S. Geological Survey has upped the odds of a major California earthquake occurring sometime within the next 30 years. Previous statistics used by the government indicated a 50 percent chance of a severe earthquake, (7.5-8.0 on the Richter scale), occurring in southern California before the year 2010.

The new report now puts the odds for such a quake at 60 percent. The report also indicates, for what appears to be the first time, that there is a 50 percent probability that the San Francisco area of northern California will experience a major quake within the same time period.

The Federal Emergency Management Agency, FEMA, has released damage estimates for both southern and northern California earthquakes. For a southern California quake FEMA estimates fatalities of from 3,000 to 14,000, serious injuries between 12,000 and 52,000, and property damage of \$17 billion. For an earthquake in the north, 3,000 to 11,000 fatalities, 12,000 to 44,000 serious injuries, and \$38 billion in property damage.

Survival Record — A Costa Rican fishing boat and its five-man crew may have set an unofficial record for survival while adrift.

The adventure began while the fishing boat was blown out to sea by a storm which also knocked out the boat's radio. The crew tried to make it back to port but their fuel supply ran out.

With no way to maneuver, the boat began drifting farther and farther into the Pacific. For five months the crew struggled to survive. They collected rainwater for drinking, and caught fish and turtles for food. They also erected a makeshift sail in an effort to fight the currents taking them farther out to sea. They saw no other boats or planes until a Japanese tuna boat spotted and rescued them off the coast of Hawaii, 3,600 miles from their home port in Costa Rica. According to their captain it was their determination to

survive, along with their religious faith which saw them through their ordeal.

Trauma Survival — Twenty-two years after the National Research Council issued a report which called trauma, "the neglected disease of modern society," thousands of Americans are still dying needlessly because of inadequate emergency medical services.

A report published by the *Journal of the American Medical Association, JAMA*, notes that only two states, Maryland and Virginia, have succeeded in meeting the standards for trauma care issued by the American College of Surgeons.

Trauma injuries are life-threatening injuries caused by such things as motor vehicle or industrial accidents, stabbings, shootings, falls and drownings. Many of these victims can be saved if they are brought to a designated trauma center. These centers, unlike most local hospitals, have a surgical team on immediate call, as well as advanced communications and paramedic transport systems.

The *JAMA* report estimated that up to 20,000 people a year die because of the unavailability of a nearby trauma center.

Call for Help — According to telephone company executives and public service engineers, the nation's telephone system is becoming more and more vulnerable to large scale disruptions.

Recently, a fire in an unmanned telephone company switching center in Hinsdale, Illinois, cut telephone service not only to the 35,000 local customers, but also to hundreds of thousands of customers in the Chicago area. It took a month to completely restore service.

Experts say that as new technology such as fiber optics and fully automated switching centers are incorporated into the telephone system, the system becomes increasingly vulnerable because more equipment is concentrated in fewer locations. ●



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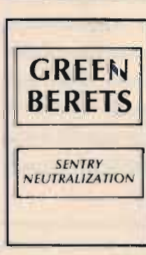
FIRESTORM How to Handle & Fire Fully Automatic Weapons

Step-by-step demonstrations of submachine guns, assault rifles, light and heavy machine guns and more. Detailed information, explosive action and exciting personal experiences by the most respected military small arms expert in the world today... Peter Kokalis. 60 minutes. **\$69.95**



DEADLY EFFECTS Wound Ballistics

Shows what bullets do to bodies. How to choose effective handgun ammunition. The effects of bullet weight and bullet configuration. Stopping power, energy transfer, penetration and incapacitation. From the producers of *Deadly Weapons*. Over 80 minutes. **\$95.00**

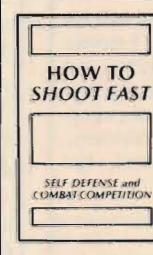


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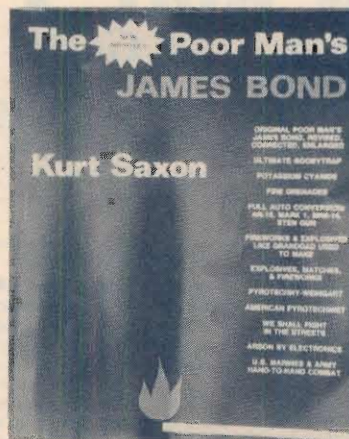
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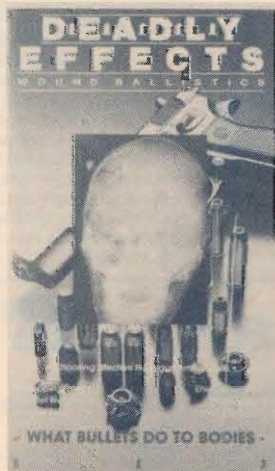
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BOOKS/VIDEOS



The New Improved Poor Man's James Bond, by Kurt Saxon; Atlan Formularies, P.O. Box 327, Dept. ASG, Harrison, AR 72601; (501) 743-2700; 477 pages, softcover; \$17.

This revised, corrected and enlarged version of the original *Poor Man's James Bond* contains information that might be useful in perilous times when government can no longer protect the population from aggressors. Boobytraps, grenades, fireworks, explosives, hand-to-hand combat, etc. are some of the topics covered. Most of the items discussed can be made with household products or chemicals available at a local pharmacy.



Deadly Effects, What Bullets Do To Bodies, a video tape by Anite Productions, Mail Order Video, Dept. ASG, 7888 Ostrow Street #A, San Diego, CA

92111; (800) 942-TAPE or in CA (619) 569-4000; 80 minutes, \$95.

This is a very informative video on wound ballistics. With the help of Col. Martin L. Fackler M.D., director of the Wound Ballistic Lab of the U.S. Army Trauma Research Division, and actual crime scene photos and other forensic data, the video refutes the findings of the 1975 government study by the Dept. of Justice and the Bureau of Standards that has helped promote what the video calls the "myths" of stopping power, shocking power, and knock-down power. Ballistic tests show the difference of expansion and penetration when using duxseal, ballistic gelatin and freshly killed pig. Some of the footage is graphic, but for those interested in using a handgun for self protection and/or police work, this video brings out some very important considerations when deciding on which gun to use and what type of ammunition is best.

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CHEMICAL ACCIDENTS
AND CHEMICAL/BIOLOGICAL WARFARE**



DUNCAN LONG

Surviving Major Chemical Accidents and Chemical/Biological Warfare, by Duncan Long; Loompanics Unlimited, P.O. Box 1197, Dept. ASG, Port Townsend, WA 98368; 172 pages, softcover; \$9.95 plus \$3 shipping and handling.

"We live in a dangerous world. In addition to the large quantities of poisonous chemicals traveling up and down the highways and railways of most developed nations, there are also super-deadly stockpiles of chemical and biological weapons spread throughout the world. Not just tear gas, mind you,

(Continued on page 38)

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NEW PRODUCTS



AR900 Scanning Receiver

This new receiver by AOR, Ltd. of Japan marks the third unit introduced by the company in the last seven months. The AR900 is a 100 channel hand held receiver that offers complete public service band coverage. It is extremely small, measuring 5 3/4 inches x 2 1/8 inches x 1 3/4 inches. The frequency coverage is 27-54 MHz, 108-174 MHz, 406-512 MHz, and 830-950 MHz. This allows coverage of all the police, fire and emergency bands, plus the new services now available above 800 MHz in 12.5, 25 and 30 KHz increments. Suggested retail price is \$299 which includes a 450 MAH rechargeable battery, AC charger/adaptor, two antennas, and a stainless steel belt clip. Contact: Ace Communications, 10707 East 106th Street, Dept. ASG, Indianapolis, IN 46256; (317) 842-7115.



Thermal Survival Bag

Offering full body protection, this emergency bag made of durable vacuum metallized polyester film, protects against hypothermia by reflecting 80 percent of the body's radiated heat. The compact package weighs about 3

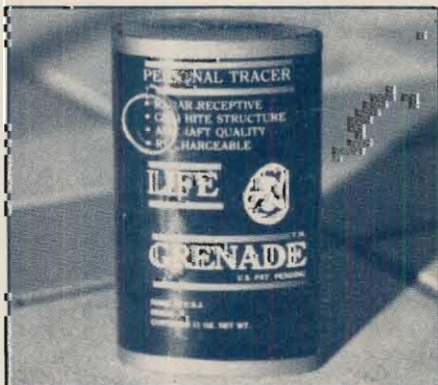
ounces and opens to provide a large bag that can be used by itself or inside a sleeping bag for thermal protection. Contact: Metallized Products, Inc., Dept. ASG, 37 East Street, Winchester, MA 01890; (800) 343-5827 or (617) 729-8300.



Tube Mag Loader

This device is carried preloaded and can be carried to give the shooter fast reloads for his under the barrel type magazine .22 caliber rifle. It works on a bypass principle consisting of a spring-loaded plunger attached to a hollow tube. When the loader is held

to the end of the magazine housing in an inverted position, the plunger is pushed in to allow cartridges to gravity feed the magazine. The loader carries 15 Long Rifle or 11 magnum .22 cartridges. Contact: Savanna Traders, 706 Central Ave., Buffalo, MN 55313.



Life Grenade

The Life Grenade is a small unit (five inches tall) that is designed to be used as a signalling device in emergency situations. Activation requires just a slight pull of the pin and is completely automatic thereafter. After pulling the pin a radar receptive ascension probe (like a balloon) is released 300 feet into the air and kept stationary with a linen line attached to both the probe and the unit. The probe is easily detected visually by eye and with its

unique geometric shape, creates a large radar reflection that can be tracked by the Coast Guard, Navy, or other search and rescue groups. There is also a model available which includes a radio transmitter. Once the unit has been used a new unit can be obtained for roughly half price by exchanging the used one for a new one. Write or call Life Grenade, Dept. ASG, 39 Terri Ann Lane, El Sobrante, CA 94803; phone (415) 262-0308.

A photograph of a first aid kit, labeled "FIRST AID KIT" and "1967". The kit is open, showing various medical supplies including bandages, gauze, and a box of "CURITY Multi-Trauma Dressing". The kit is placed on a surface next to several bottles of medical supplies, including "AERODINE", "ISO-PREP", and "Hydrogen Peroxide". A pair of scissors and a tube of ointment are also visible.

B-Square has new no-gunsmithing scope mounts for these fine guns. Both mount a long eye-relief (pistol) scope

forward for “both eyes open” quick pointing — really the best system. Both mounts attach to the gun’s upper handguard to provide the most rigid compact mount. They have a standard mounting dovetail so any Weaver-type

ring or military device can be used, and the gun's sight can be used with the mount installed. Suggested retail price is \$39.95. Contact: B-Square Co., P.O. Box 11281, Dept. ASG, Fort Worth, TX 76110; (817) 923-0964.

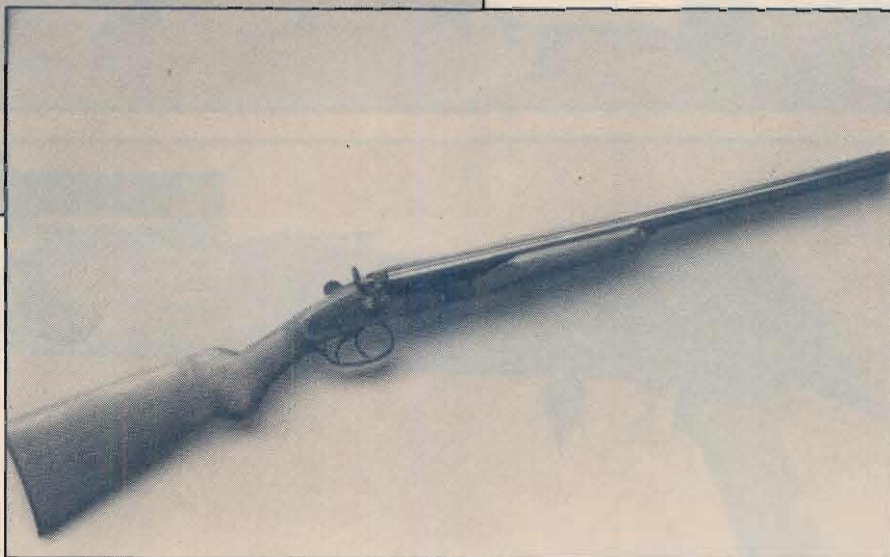
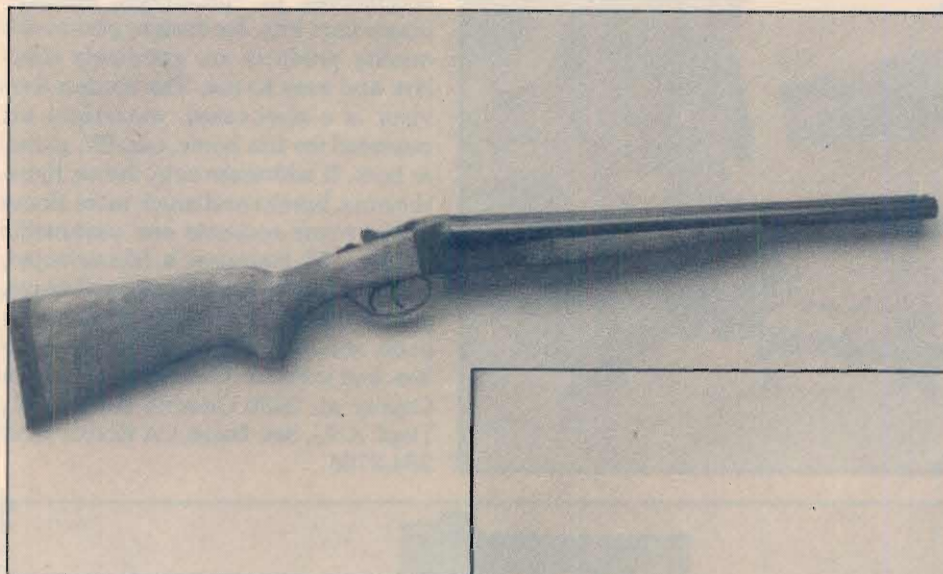
The Cat's Meow is a three-season hunting and camping bag combined with a Gore-Tex Bivy sack that provides comfort ranging from mild temperatures to a low of -20 F. This backpacking sleep system was improved by the Army for use by Light Infantry Divisions and Special Operations Forces. The system is lightweight and compact to 8 inches by 18 inches. The sleeping bag features a shockcorded

hood, nylon taffeta shell, and diagonally overlapped shingled Polarguard synthetic fill. The Gore-Tex bivy sack features a Woodland Camo top and urethane coated nylon fabric bottom. Keeps you dry and comfortable, yet breathes to allow moisture to escape. Contact: Brigade Quartermasters, Ltd., 1925 Cobb International Blvd., Dept. ASG, Kennesaw, GA 30144-4349; (800) 228-7344.

Savage, Rossi:

Double 12 Duo

*Two short,
double-barreled 12 gauge
shotguns for self defense
and
law enforcement work...*



Staff Evaluation

THERE'S something about a double-barreled 12 gauge shotgun that commands your respect.

When you're facing the business end of such a weapon, looking into those two gaping tubes, you realize what comes out of them at close range may take your head off.

The devastating effects of the double-barreled shotgun has made it a popular weapon for lawmen and homeowners for well over a century and there are many models available today to choose from.

We recently tried out a couple of side-by-side 12 gauges we think are well suited for home defense or security work: the Savage Model 311R and the Rossi Overland. Both weapons have short barrels and will handle 2¾-inch or 3-inch magnum shells.

The Savage 311R double will fire two quick shots from its 18¼-inch barrels which have a front bead sight. It's hammerless and features a thumb-operated automatic top tang safety. It has a walnut finished hardwood stock with rubber recoil pad and blued barrels and other metal parts. Overall

length is 35¼ inches and it breaks down to store at only 19½ inches. Weight is about 7 lbs. This gun is also available in other gauges with varying barrel lengths and improved cylinder, modified and full chokes. Suggested retail price is \$309.

The Rossi Overland Coach Gun we shot has 20-inch barrels with front bead sight. There are sidelock external hammers as an added safety feature. Weight is about 7 lbs. and it also has a hardwood stock and blued barrels, hammers and triggers. This shotgun is also available in different gauges and barrel lengths. Suggested price is about \$300.

We fired several different loads of 12 gauge ammunition in these shotguns and found them to be sturdy and effective at the close ranges they were designed for. Recoil in both weapons is considerable with heavier loads, with the shorter-barreled Savage having the most kick to it. A firm grip around the barrels and fore end helps hold down muzzle rise.

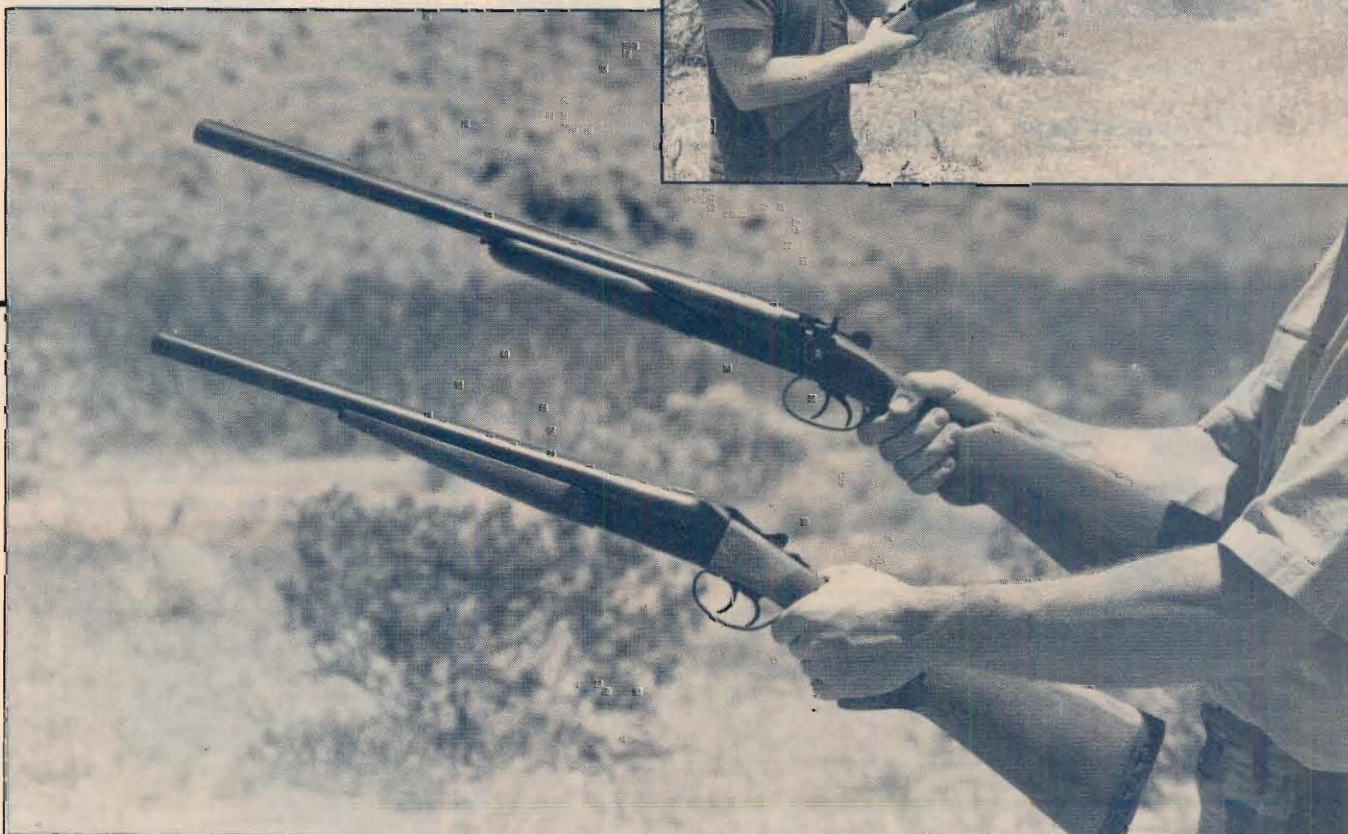
Whenever you load the Savage and close the action it's cocked with the safety automatically activated. Although you have that thumb-operated safety button to flick off before you can fire the shotgun, the more safety conscious shooters may prefer a weapon like the

ABOVE LEFT — The Savage Model 311R. ABOVE — Rossi Overland Coach Gun.



ABOVE & RIGHT — A firm grip around the fore end and barrels when firing helps reduce recoil and provides better control with these weapons.

BELOW — The Rossi, top, has 20-inch barrels while the Savage has 18½-inch barrels.



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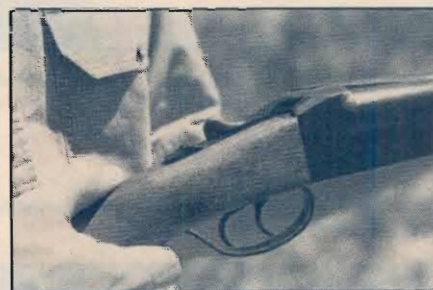
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Double 12 Duo

Rossi with hammers that have to be **thumbed back manually before firing** and which can be checked visually at any time to see if the shotgun is cocked.

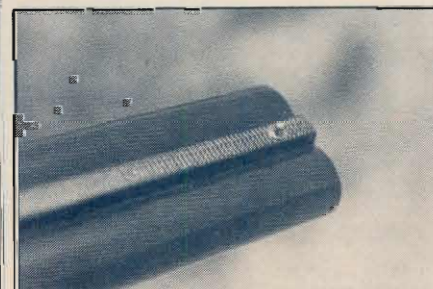
Either of these shotguns could be a powerful, effective weapon, each one providing the shooter with two quick shots. And the variety of shotshell loadings available gives the user numerous options in terms of firepower to choose from. •



The Savage is hammerless and closing the action automatically cocks the shotgun and activates the top tang safety.



The Savage M311R has a rubber recoil pad.



The front bead sight and raised rib matted sight surface of the Rossi.

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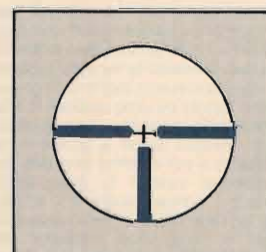
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Beeman Precision Arms:

Skylite Riflescope



The four point reticle illuminates to a brilliant white when shooting dark objects. Add the supplementary red lens and the reticle turns into bright orange-red, probably the most helpful arrangement for most purposes. The crosshairs are extra fine in the center making accurate aiming possible.

*Illuminated by daylight
and even moonlight...*

By Scott Stoddard

BEEMAN Precision Arms Inc., has developed a new scope to be included in their line of SS Blue Ribbon riflescopes. The SS-2L has the same rugged features as the SS-2, with its extra power, extra brightness, compact size, and its easy to aim four-point reticle. The one big advantage of the SS-2L is its brilliantly illuminated reticle that is powered by daylight and moonlight. No batteries needed!

The skyport, an opening in the top of the scope that gathers light, also features a selection of color filters that

RIGHT — The SS-2L is only 6.8 inches long and gathers plenty of light in dim conditions. A red filter is mounted on the skyport.



change the reticle color for improved use in a variety of conditions: red for twilight and general purpose, white for silhouette and target shooting, yellow for haze, fog and low light.

Also offered with the SS-2L scope is

a small accessory light for use in total darkness. The electrical illuminator, with a diameter equaling that of a dime, is battery operated and will provide approximately 24 hours of light.

I tested the scope over a period of

three months, having mounted it on my airgun, a Beeman C-1 Carbine. The light gathering ability of the SS-2L is amazing. Accurate shooting at twilight and during moonlit nights allows for easier pest elimination when rodents come out of hiding. Crows and starlings were easy to find and line up with the reticle glowing a brilliant white.

After sighting in the scope I spent considerable time shooting paper targets. The groups were about 1/2-inch center to center from 40 feet. Using the range focus ring to dial away parallax error, I was also able to hit plastic soda bottles from 50 and 100 yards.

Beeman airgun scopes are made to withstand the repeated two-way snap of spring-piston airguns. Extra epoxy cementing, extra bracing, and unique lens locking screws set into an extra heavy body wall make these scopes tough enough for machine gun recoil and vibration. Scope mounts are available for a variety of assault weapons and machine pistols.

The Beeman SS-2L comes in 3X or 4X with a price of \$259.95. For more information, contact: Beeman Precision Arms Inc., Dept. ASG, 3440 Airway Drive, Santa Rosa, CA 95403-2040; (707) 578-7900. ●



In this top view of the SS-2L, the skyport is seen without filters.

SS-2L Scope Specification Table

Power	3x
	4x
Obj. Lens (mm)	21
Tube Dia.	1.38 inches
Weight	13.7 ounces
Length	6.8 inches
Field of View	
100 Yards35 feet
Eye Relief35 inches
Reticle4 pt. thin line

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Continuous Wave
Communications:

Learning And Sending Morse Code

Patience and self tolerance are the keys to getting it right...

By J. Lincoln Thorner

This is the second of a two-part article on learning and using Morse code. In the first part, which was published in last month's issue, the author discussed how not to learn the code and avoid causing problems for yourself. In this part he explains how to use the aural learning method and Morse code study aids and discusses sending in code. — The editors.

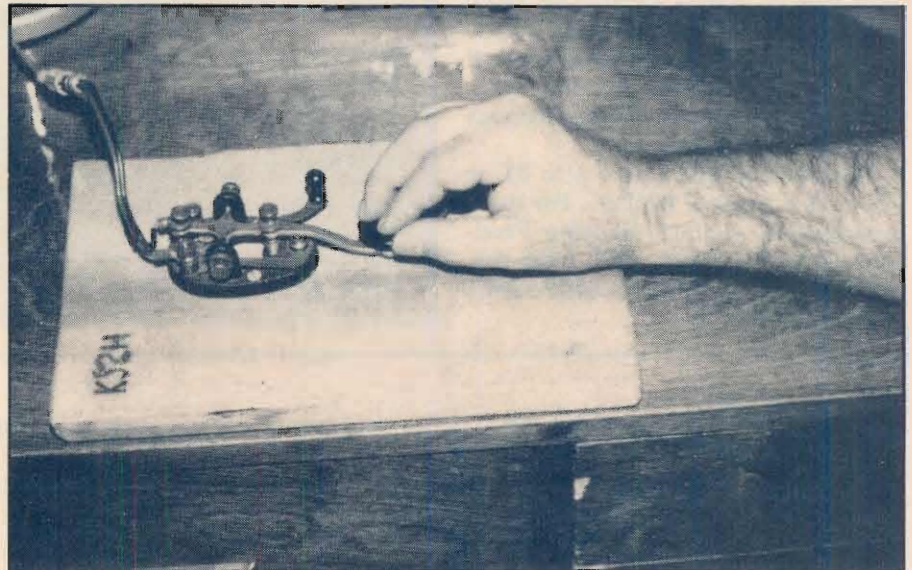
THE skill you want to develop in learning Morse code is to hear a sound and write (or type) a letter. Hear, write, hear, write.

To do this, ideally you should be sent the letter in Morse code at a relatively high rate of speed (I recommend 15 to 20 words per minute) and write the letter. Over and over until you are familiar with the letter.

Then do another one. For example: didah A, didah A, didah A, didah A. Learn three or four letters at a time. Then have these letters sent to you in short words, including what you just learned and any letters previously learned. The individual letters should be sent fast, but with plenty of time in between for you to react, say two or three seconds.

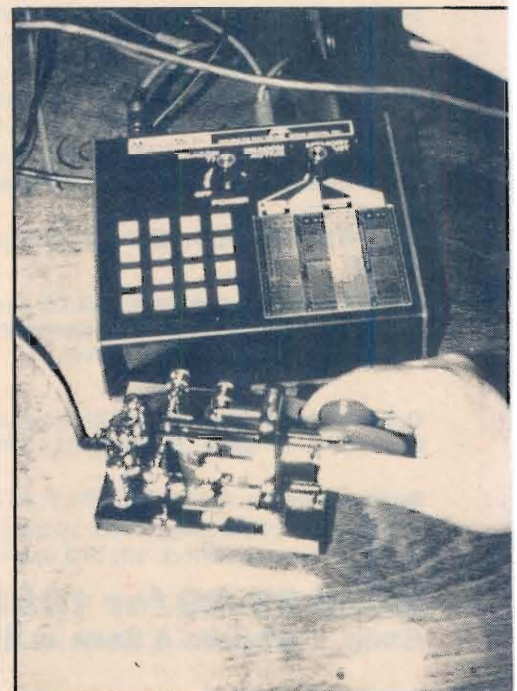
This type of learning makes it difficult for you to memorize the letters as certain combinations of dits and dahs, and fairly forces you to hear and react to letter sounds instead. Learning the letter sounds initially eliminates the problem of a "plateau," later on. There is, then, a smooth progression of code speed from learning to mastering. It is gratifying for me as an instructor to see someone go painlessly from beginner to high speed operator in a smooth and uninterrupted manner. It ain't too hard to take for the student either!

If you don't have a handy radio operator to teach you the code, there are



ABOVE & RIGHT — Computerized "keyers" like this one from Advanced Electronic Applications, Inc. with control paddle by Vibroplex are a far cry from the simple "straight key" which is still used and is virtually unchanged from those used during the past century.

a number of cassette tapes available that do the job pretty nicely. Among the many outfits that produce continuous wave (radio parlance for Morse communications) learning tapes are American Radio Relay League, 225 Main Street, Newington, CT 06111; 73 Magazine, 80 Pine Street, Peterborough, NH 03458; and the Ham Radio Bookstore, Main Street, Greenville, NH 03048 (telephone # (603) 878-1441). The ARRL probably has the most extensive and best quality literature on Amateur Radio and electronics, but I am rather fond of the choice of tapes produced by the Ham Radio Bookstore. The HR Bookstore also sells the publications and tapes



of many other producers, besides their own excellent line.

If you send for the Ham Radio Bookstore catalogue, look for the tapes that send fast characters, with long pauses (the Fahrnsworth method). As the program progresses the pauses shorten and your code copying speed increases.

Frankly, the "poor man's" approach, while not ideal, is also quite effective. Use the accompanying chart in this article and simply pronounce the letter sounds to yourself. Do this pronunciation rapidly to yourself over and over. Read it from the page the first time then say it to yourself repeatedly without looking at the page: "I didit, I didit, I didit, I didit, I didit... etc.

By the way, this can be done silently, to yourself, if you'd like to avoid strange looks on the street. I recommend not trying to learn more than about three or four letters at a sitting. Each time you learn three new letters, make up some words using those letters and all the letters you've learned previously and verbally send them to yourself. Remember to pronounce the code characters rapidly, so as to impress a letter sound rather than a counted series of dits and dahs on your mind.

The order in which you learn the letters is not very important, except that they should absolutely *not* be learned in alphabetic order, i.e., a, b, c... etc. I like to intersperse the shorter and simpler characters with the longer more complex letters so as to not lump all the more difficult ones together.

Tapes — Once you have learned the basic alphabet, and are practicing, you really should graduate to either tapes, or listening to CW on the air with a shortwave receiver. Tapes are the simplest, and least expensive approach to practice. Especially since most shortwave radios on the market are totally unsuited to copying CW.

Learning the proper style is far, far more important, initially, than accuracy. When you copy a tape, discipline yourself to copy the letter immediately, or not at all. If you can not decipher the character right away, skip it. Do not stop to think about it. Thinking about it is a bad habit to develop. What will happen in real life is that while you're thinking about a hard to remember letter, several others will slip by, and while you're chasing those, several words will be lost.

If you train yourself to respond immediately or not at all you will have lousy accuracy at first, but so what? When you are more practiced, this

habit will limit your occasional error to just the one letter you missed (you can usually go back and figure out what it was anyway) rather than whole chunks of the message being lost. It is also a good way to reinforce the use of the reflexive rather than cognitive part of your brain, and that is very important. Another way to reinforce reflex is to guess rather than waiting to be certain. That's right, when you hear a letter sound immediately guess at what it is. It's rather funny to see how the accuracy of your "guesses" gets better and better as you practice.

If you do invest in a good quality communications receiver, not only will you be able to listen to casual Ham and other CW traffic, but more importantly you will be able to listen to the regularly scheduled broadcasts of the American Radio Relay League's station W1AW.

W1AW sends practice code at various speeds for the use of people with varying levels of expertise. Send off to the ARRL for a schedule, they'd be happy to send you one. They also appreciate a stamped, self-addressed envelope. Their broadcasts on 21,080 kHz are copiable during the day, on 14,070 kHz during much of the day and early evening, and on 7,080 and 3,580 kHz at night. They are loud and clear in the eastern and midwestern parts of the country, and are usually copiable, though somewhat less strongly, in the west.

If you decide to buy a shortwave receiver, be very, very cautious. There are several very expensive and many cheaper makes and models of radio

that are absolutely useless for copying code. Even though some claim the capability. Some of the manufacturers of excellent communications receivers and transceivers are ICOM, Yaesu, Kenwood, and Collins.

New, these rigs tend to be rather expensive, but there are many great buys in used equipment, particularly in the older tube type radios. The price and age of second hand equipment is not at all as important as whether or not it was originally intended to be used for CW communications. Get the advice of an experienced Ham who is active in CW if you can. Remember, though, that most shortwave radios sold are intended primarily for listening to foreign broadcast stations like the BBC, Voice of America and Radio Moscow. This is also fun, but won't help your code much.

Sending Code — Sending CW can be learned, and should be learned as you learn to copy it. Most people find sending a lot easier to master than copying. But then again, there are also a lot of people who send lousy! First go out and buy a Morse code key and code practice oscillator. They come as one unit, or separately, and are even available with the oscillator in kit form. Make, model, and price are really unimportant. There are adequate units available at Radio Shack stores and many other places that deal with communications electronics. Adjust the key so that there is space enough for a sheet of bond paper to pass easily between the contacts, and the spring tension should be adjusted so that



Books like the *ARRL Handbook* have plans for building simple CW radios from commonly available parts.

Learning And Sending Morse Code

pushing down the key is not difficult, but merely firm and sufficient to raise the key back up without you feeling as if you must pull it up.

Remember to send much, much more slowly than the characters you have been practicing copying. Send slowly (around 5 or 6 WPM) and send rhythmically.

All code characters have a distinct rhythm. Listen to the perfect machine generated code on a practice tape and emulate the sound. Listen to the sound of a letter and send it so that it sounds exactly the same, only much slower. It should sound almost musical. If it sounds choppy or uneven, you are sending wrong. Take, for instance, the letter "L." It is sent didahdidit. There should be a mental accent on the dah so that it sounds like the rhythm of a cantering horse.

When sending, the proper ratio of dit length to dah length is one to three. When learning to send, exaggerate this ratio because for some reason beginners tend to send dits and dahs of nearly equal length. So, send the dah a little longer than you think necessary and the dit a little shorter. When learning to copy, most people complain that they can't tell the dits from the dahs on their practice tapes. Some even want to return the tapes as defective. There is nothing wrong with the tapes, folks, it's your ear. There is nothing you can do to remedy this but practice. You aren't defective either, it is just that your brain needs to learn to distinguish the two sounds, and it does this on a non-conscious level so relax and just keep practicing. It'll come, and it'll come without any additional effort on your part, automatically. You'll be amazed.

If you are really interested in becoming proficient in communicating in CW, as opposed to classroom competence, I urge you to get your Amateur Radio Operators License. Hamming offers the easiest way to get really good at Morse, and learn a thing or two about electronics and operating procedures as well. Even casual conversations on CW will train your brain's "filter" to copy under conditions you will not find on a practice tape. Static, fading, interference and such. One interesting type of interference you'll come across is an extremely loud, staccato, rapping noise that changes loudness, pulse pattern

and radio frequency at a rapid rate. It has justly earned the nickname the "Russian Woodpecker" because of its origin and sound. It is a Soviet over-the-horizon backscatter radar system. It's a huge pain in the butt and it won't be found on any practice tapes. It is also a violation of international treaties by the Russians, but then what else is new.

Hams also have organized networks on which Hams transmit radiotelegrams free, for the general public. Usually these are casual greetings and messages, but during emergencies like floods, tornados, airplane crashes and the like, when normal communications break down, the messages Hams pass along are often of life saving importance.

This kind of emergency work is the heart and soul of Ham radio, and should be recognized by survivalists as a training asset too good to pass up. Hams even have a once a year, week-end long contest in which tens of thousands of them practice operating under emergency conditions in which normal power, shelter and other facilities are no longer available. This kind of survivalist preparation and practice has been going on for 50 or 60 years! And it *does* take a lot of preparation and practice to be effective; many of them are very good at it. You and your family or survivalist group can certainly practice with code practice oscillators, sending messages to each other, or with signal lights or flags. . . and I do urge you to do so, but, if you *really* want to learn emergency communications, learn from the experts. Become a Ham, and participate in traffic (message handling) nets, and disaster communications groups. The American Radio Relay League can give you all the information you need to learn about Amateur Radio and emergency communications. There are local groups all over the country for you to join if you decide that this is for you. The League maintains a file of free volunteer instructors. Write them and they'll be happy to let you know which one is closest to you and how to get in touch.

Patience, Tolerance—I guess the most important thing I can say about learning and using Morse code is that it requires patience and self tolerance. Some people have told me that they

were incapable of learning code. . . they'd tried, and just couldn't. Then I taught them. It was no miracle on my part, but rather it was a matter of reassuring them that everybody has difficulty mastering Morse. It's like any other skill of this type, it requires practice and a willingness to make mistakes and keep trying. Simple practice is about 90 percent of mastering this skill, not making self defeating mistakes in technique makes up the other 10 percent, and I hope this article has been some help with that. My experience and study have shown me that a knowledge and proficiency in Morse code has saved many lives in war and in natural disaster. Your mastery of this communications skill could make just as big a contribution to your survival. ●

Learning Morse Code Letters

A	didah	N	dahdit
B	dahdididit	O	dahdahdah
C	dahdidahdit	P	didahdahdit
D	dahdidit	Q	dahdahdahdit
E	dit	R	didahdit
F	dididahdit	S	dididit
G	dahdahdit	T	dah
H	didididit	U	dididah
I	didit	V	didididah
J	didahdahdah	W	didahdah
K	dahdidah	X	dahdididah
L	didahdidit	Y	dahdidahdah
M	dahdah	Z	dahdahdidit

Numbers

1	didahdahdahdah	6	dahdidididit
2	dididahdahdah	7	dahdahdididit
3	didididahdah	8	dahdahdahdidit
4	dididididit	9	dahdahdahdahdit
5	dididididit	0	dahdahdahdahdah

Punctuation

? (question mark)	dididahdahdidit
/ (slant bar)	dahdididahdit
, (comma)	dahdahdididahdah
- (double dash)*	dahdidididit
. (period)	didahdidahdah

* often used instead of period, or to separate parts of message

Procedure Signals

error	dididididididit
wait: (stand by)	didahdididit
error of message	didahdidahdit
end of transmission	
("over")	dahdahdah
end of conversation	
("over and out")	didididahdahdit

Use this chart to help yourself learn Morse Code (CW).



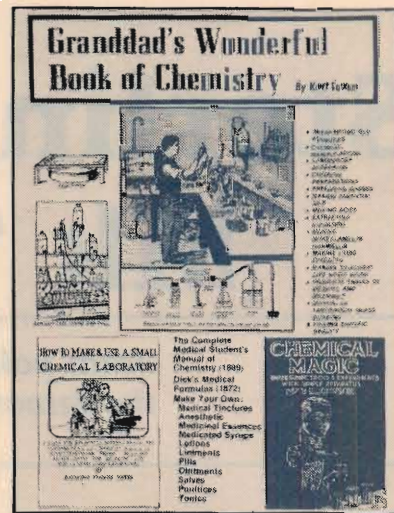
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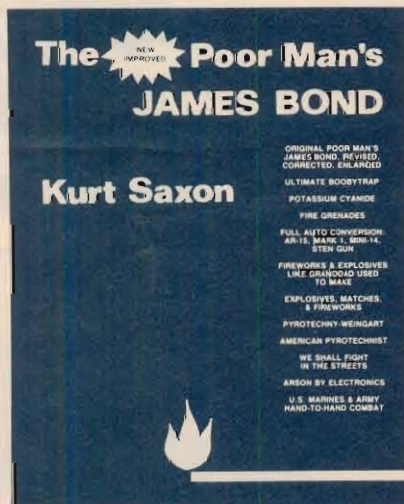
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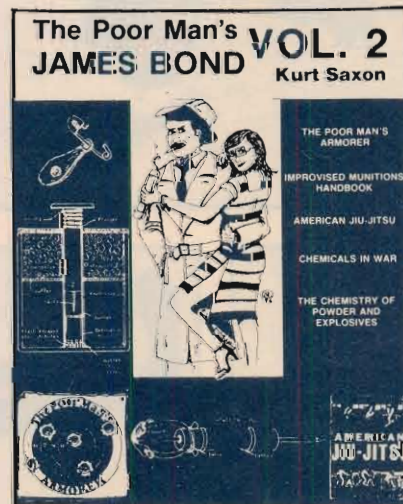
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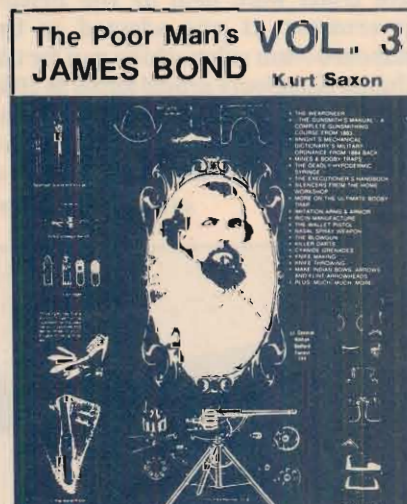
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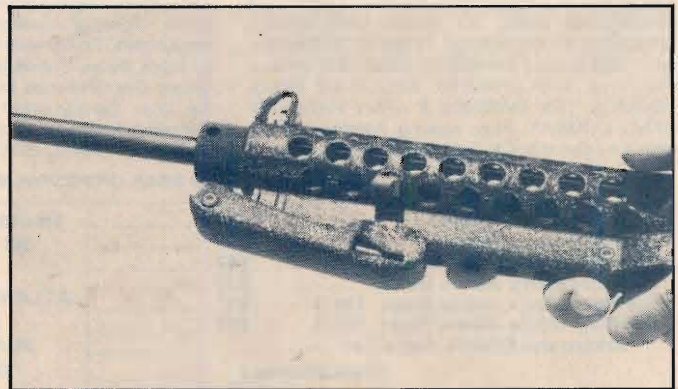
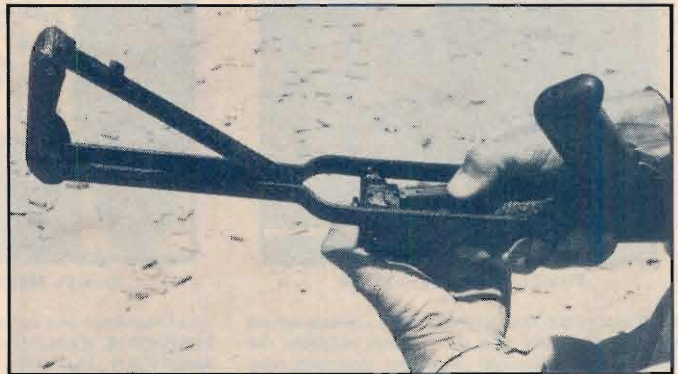
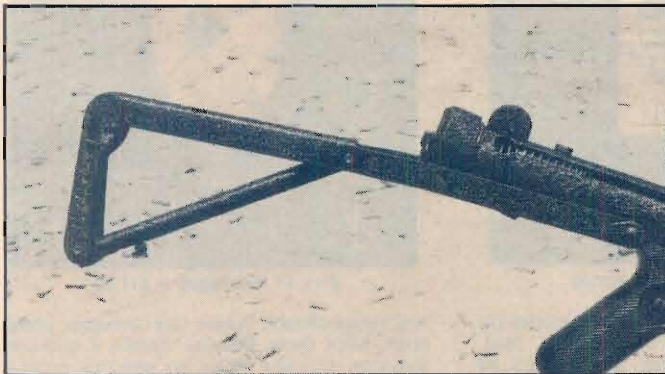
By Jim Benson

DURING WWII a number of submachine guns were produced for use by British and allied armed forces. Among them was the Patchett Submachine Gun, developed by G.W. Patchett of Sterling Engineering Co., Dagenham, Essex.

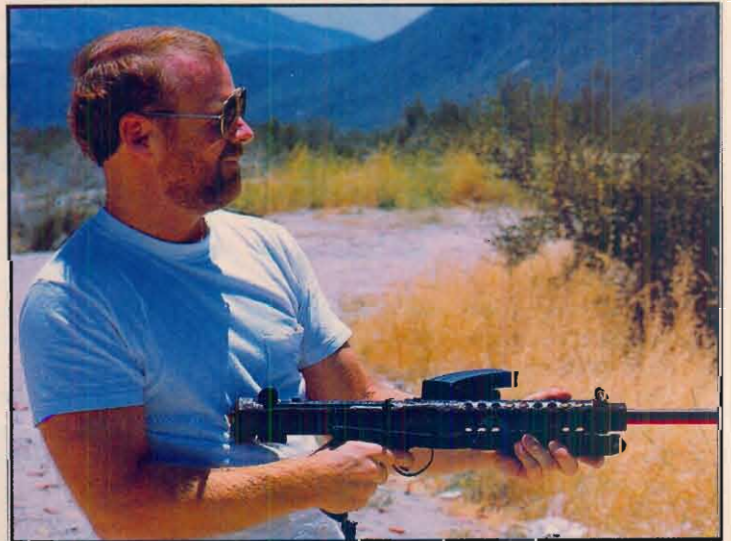
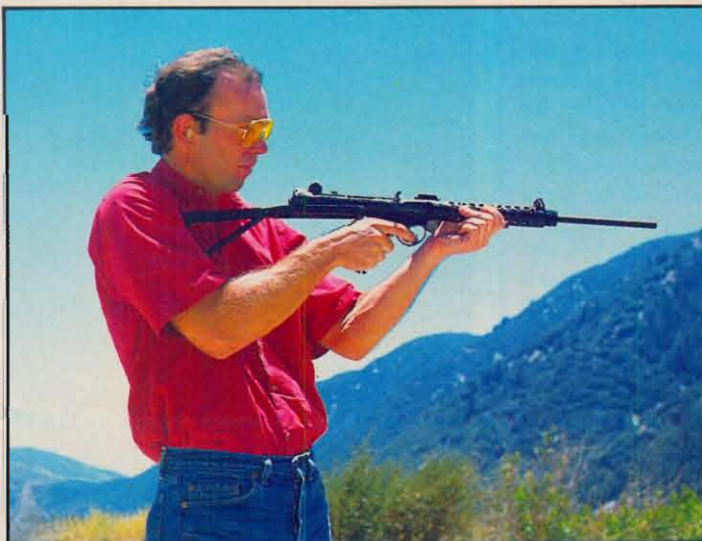
After the war, further development and improvements were made on this weapon and after a series of competitive trials were held by the British government, it was adopted as the standard 9mm submachine gun for the United Kingdom's armed forces in 1954 and called the Sterling Mark 4 (L2A3). Today the weapon is still the standard submachine gun for the military of

(Continued on page 66)

With butt stock folded,
the Mk 6 is only 27
inches long.



A few simple steps are all that are required to fold the butt stock almost flat against the frame of the Mk 6.



Personal Camouflage:

Principles of Concealment

A review of camouflage clothing and techniques...

By David James Marshall

TECHNICAL ASSISTANT CECIL NICHOLSON

This is the first of two articles on camouflage in the field. In this article the author discusses types of available camouflage clothing and some tips on concealing the head and other exposed body parts. In the second article, which will appear in the November issue, concealing field equipment will be discussed — The editors.

THE word camouflage usually conjures up an image in the mind of a hunter/prey scenario. Whether that scenario is man vs. man, or man vs. animal, the advantage usually falls with the one that uses concealment to the best advantage.

Who uses camouflage today? The most prominent groups are the major land combat branches of the military, the Army and Marine Corps. For the sake of completeness I'll include the National Guard who are almost always called to the scene of natural disasters and "large social disorders." Other groups would include players of the popular Survival Game, those who make their living as wildlife photographers, naturalists, and bow hunters.

This latter group must move well within the range of a big game animal's keen senses of sight and smell. Perhaps the most dedicated and efficient camoufleurs are the hunters of turkeys and other large game birds such as snow and Canadian geese. Like human adversaries, and unlike hooved game, turkeys and geese have the same cone structure in their eyes that enable them to see color as human eyes do.

As hooved game sees primarily in shades of black and white, only an efficient breakup of outline is necessary. Geese or turkey hunters, and those who wish to escape the notice of hostile human eyes, must also match camouflage patterns to existing terrain

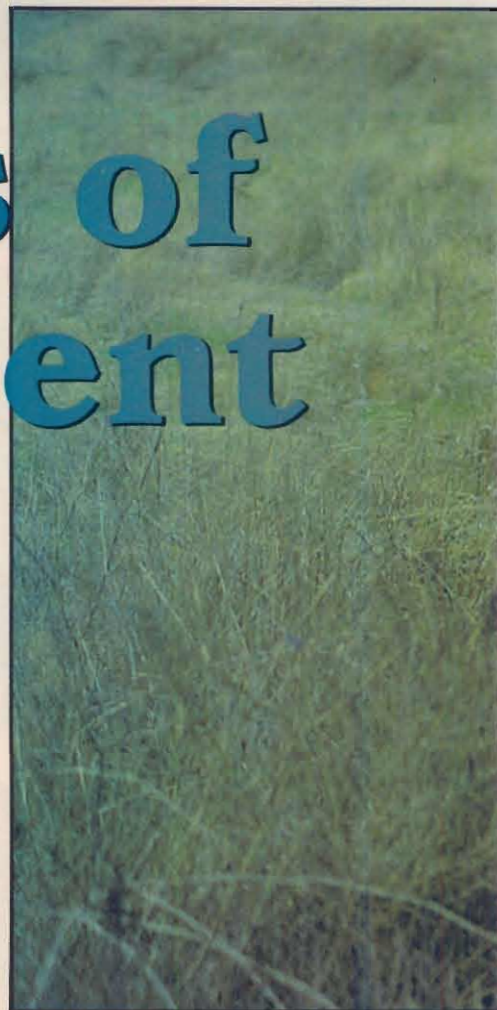
and foliage.

As clothing is the most popular means of personal concealment in the field, a review of available patterns seems a logical place to begin. Most patterns available commercially are derivatives or direct copies of current military patterns. Companies with government contracts sell their surplus on the open market and may bill them as "built to military specifications." This is good as those standards are very exacting and were conceived with rough military use in mind.

Camo Types — All clothing articles pictured here were provided by, or purchased from, Kaufman's West Army & Navy Goods, 1660 Eubank NE, Albuquerque, NM 87112; (505) 293-2300. It represents available military and civilian patterns.

Viet Nam. Developed during the Southeast Asian conflict, this pattern has emerged as the most popular for a wide variety of both foliage and terrain. Its predominant pattern of different shades of green suit it to most summer and fall foliage. Designed primarily for jungle and wooded terrain, (it's called the Woodland pattern by the Army), it does not blend well with dry vegetation or desert rocks and scrub brush. At long range its blotch pattern tends to merge into a solid green mass that stands out against a background of multi-colored vegetation.

(Continued on page 60)





The Day Desert pattern works well in the dry scrub country of central California.



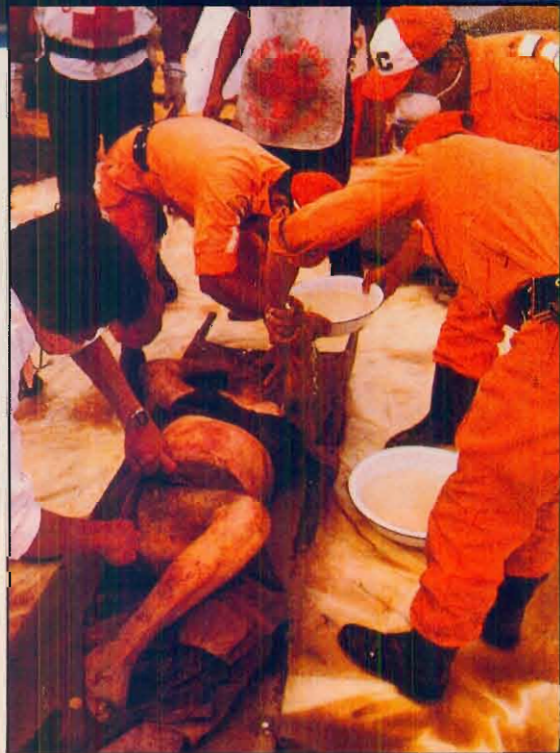
ABOVE — The Viet Nam/Woodland pattern is shown against lichen-covered rocks and the forest floor.

LEFT — Kaufman's West Urban camouflage pattern blends well with snow terrain. Grey in pattern almost matches the color of winter brush and rocks here at the base of a downed California Redwood tree.

FAR LEFT — A scouting party leader makes himself part of the shadows in a grove of bamboo. His face, hands and arms have been darkened with paste made of ground charcoal briquette and water and he wears black camouflage clothing.

Emergency

The EMT training course is exhaustive and



ABOVE — This ambulance is operated by EMTs working for New York City Emergency Medical Service (Michael Pietrantonio).

LEFT — EMT members of an international Red Cross rescue team aid a victim of the Colombian earthquake (Sgt. Cecil Stack, *Soldiers Magazine*).

RIGHT — EMTs and hospital emergency room staff work hand in hand. Here, EMTs have already started basic life support care on a seriously injured patient as the patient enters the hospital (Sgt. Cecil Stack, *Soldiers Magazine*).



Medical Technician

requires from the student both dedication and hard work. . . By Michael Pietrantonio

WHAT would you say are the most important skills for the survivalist? Certainly the ability to locate food and water, construct shelter, defend yourself and your group or family, are all skills which rank high on the survivalist's "must know" list.

Most groups and individuals concerned with survival take these skills seriously enough to practice and study them on an on-going basis. Indeed, many of these skills lend themselves to self study.

For example, the best way to learn construction techniques of expedient shelters is to read a few articles and then go build one. You learn by trial and error what works and what doesn't. Fortunately for the survivalist most survival skills lend themselves to this method of learning.

There are, however, some skills that are vital for the survivalist to learn and become proficient at, but should not be self taught. Emergency medical care is one such skill.

The need for trained medical personnel in a survival situation is obvious. The presence of medical personnel could very easily mean the difference between life and death for injured, wounded, or ill members of your group or family.

Given the obvious benefits of emergency medical training, the question becomes, what is the best way for the individual to get that training? Short of going to medical or nursing school, which for most of us is obviously impractical, the individual interested in learning emergency care techniques would do well to consider becoming a licensed Emergency Medical Technician.

What is an EMT? What does he or she do? what type of training is involved? How much does the training cost, etc.? Read on.

Perhaps the easiest way to see what it is that EMTs do is to turn on the TV news. How many times have you seen a patient being brought into a hospital while technicians perform cardio-pulmonary resuscitation, CPR, on that patient? Or, how often have you seen car accidents where victims were pinned in the wreckage and rescuers crawl inside to begin emergency



EMTs rush a victim to a U.S. Army medevac helicopter for transport to a hospital (Sgt. Bert Goulait, *Soldiers Magazine*).

care even before the victim has been freed? Remember the baby who fell down the well in Texas and how, for a few days the attention of the nation turned to her? It was EMTs and paramedics who went down into that well and brought her out alive. Perhaps you have had to call an ambulance because you or someone in your family has been hurt or is so ill that they must be brought to the hospital. In all these cases it is EMTs and paramedics that responded and began emergency care.

Basically it is the job of the EMT to provide professional level emergency care to injured or sick patients at the scene of the emergency and during transport to the hospital. EMTs are also frequently called upon to assist members of the hospital emergency room staff in their treatment of the patient.

The modern EMT is a far cry from the "ambulance drivers" of years gone by. Up until the early 1960s, ambulance services in the U.S. were little more than taxicabs with lights and sirens. The job of the "ambulance

attendant" was generally to "bag, tag, and drag," that is, to get the patient onboard the ambulance, to the hospital, and into the emergency room. Ambulance personnel had little if any training in pre-hospital emergency care techniques.

In the mid 1960s all that changed. A joint study by the National Academy of Sciences and the National Research Council was undertaken in an effort to establish guidelines and standards for pre-hospital emergency care. The result was a study entitled "Training of Ambulance Personnel and Others Responsible for Emergency Care of the Sick and Injured at the Scene and During Transport." The conclusions reached in the study included the following: "Employees or volunteer members of public and private organizations having a responsibility for the delivery of health services must be trained in and held accountable for administration of specialized care and delivery of the victims of acute illness or injury to a medical facility. . . . Specialized training, retraining, and accreditation of such persons necessitate develop-

Emergency Medical Technician

ment of training courses, manuals, and training aids adequate to provide instruction in all emergency care short of that rendered by physicians."

In 1966 the National Highway Safety Act gave the U.S. Department of Transportation the responsibility of developing the standards by which states would train, test, and license Emergency Medical Technicians. Under the most recent guidelines (1984) from the DOT, EMT training consists of a minimum 110-hour course of instruction which includes hands-on clinical experience in a hospital emergency room. This is a minimum requirement and states are free to increase the course as they see fit.

The Course — The 110-hour EMT course includes classroom lectures, hands-on training with the various pieces of equipment used by EMTs, and at least two 8-hour shifts in a hospital emergency room or onboard an ambulance.

Throughout the course the EMT student is tested on the subjects he or she has learned. Some of the tests, such as the CPR certification test must be passed in order for the student to continue in the course. The student must also pass the state certification tests given at the end of the course. These tests consist of a written portion of 100 or more questions and of "practicals" where a student must demonstrate proficiency in such areas as airway management and oxygen therapy, cervical spine immobilization techniques, proper use of military anti-shock trousers (MAST), and others.

In order to pass the course and become certified by the state the student must pass all of the practicals as well as the written test. Once the student becomes a licensed EMT he must take a refresher course and pass the full battery of state certification tests every 2 to 4 years in order to keep his license valid.

The EMT course begins with the basic physiology and anatomy of the human body. Next comes instruction in patient assessment. Here the student learns to recognize life-threatening conditions in his patient. He learns to distinguish medical from trauma patients and how to conduct both the primary and secondary patient survey.

The next block of instruction centers on respiratory and cardiac arrest and the proper techniques of CPR. The student will learn how to clear a patient's airway, use suction units, insert an oro or nasopharyngeal airway, perform one- and two-man CPR, and when and how to initiate oxygen therapy.

Next comes the treatment of shock and control of bleeding. In this part of the course the student learns the four methods of controlling bleeding, and methods for treating and controlling shock including the use of military anti-shock trousers, MAST.

The student next learns how to manage musculoskeletal fractures and soft tissue injuries. He will learn bandaging techniques and how to select and use the various types of splints available for the treatment of fractures.

At this point the student will begin to study the specific techniques used in treating injuries to the head, face, neck, and spine. Emphasis is placed



A young eye injury victim gets professional first aid care from an EMT (*Soldiers Magazine*).

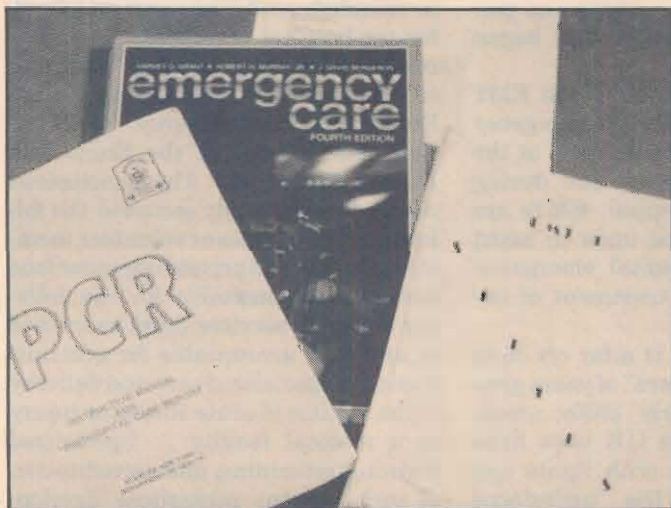
on proper spinal immobilization techniques using cervical collars, manual traction, backboards, etc. He will also learn how to do a quick neurological check of a suspected spinal injury patient.

The student then moves on to study methods of treating injuries to the chest, abdomen, and genitalia. Here the student learns how to treat injuries such as a life-threatening pneumothorax (sucking chest wound), or the evisceration of abdominal organs. He will learn how to make an occlusive dressing (the air-tight dressing used in cases of pneumothorax), and how to stabilize impaled objects.

Next come medical emergencies. Here the prospective EMT learns to recognize and treat various non-trauma emergencies. He will study methods of treatment for heart attacks, diabetic comas and insulin shock cases, seizure patients, poisoning and drug overdose patients, patients with communicable diseases, etc. Included in this portion of the course are special techniques used in treating pediatric emergencies.

The course then moves on to cover childbirth. The student learns to identify the various stages of labor, how to assist in the delivery of the baby, and how to assess the medical condition of the newborn infant. The student is also taught how to handle complications which might arise during and after the delivery of the baby.

The treatment of burns and injuries



Some of the texts used by EMT students in their training (Michael Pietrantonio).

caused by hazardous materials is the next subject the student will study. He will be taught how to classify and treat burn victims and how to determine the severity of the burn. Methods for treating victims exposed to hazardous materials ranging from chemicals to radioactive substances are also covered in this portion of the course.

Next up, methods for treating patients who have been exposed to environmental extremes. The EMT student will learn to treat the full range of such emergencies, from frostbite and hypothermia to heat cramps and heat stroke. Methods for treating and rescuing drowning victims as well as special water rescue techniques for possible spinal injury patients are also taught.

The student now moves on to study triage. Triage is the separating of patients into categories which determine their priority of treatment at accident or disaster scenes where there are multiple victims.

Next comes instruction in various methods of extricating patients who are trapped in the wreckage of automobiles. Methods of removing windshields, prying open doors, and disentangling trapped accident victims are covered.

The final portion of the course involves instruction in ambulance operations, driving techniques, traffic control at accident scenes, and the psychological pressures which an EMT might expect to encounter.

Using Your Skills — As can be seen from the preceding description, the EMT training course is exhaustive and requires from the student both dedication and hard work to complete. In fact, from 15 to 30 percent of students who begin the course fail to complete it.

For those who do, they not only now possess very valuable survival skills, they also have the ability to put those skills to work in either a volunteer or professional capacity.

Professionally, EMTs are in demand by a wide range of employers. The EMT has the option of working for a private ambulance company, municipal emergency medical service, or even for off shore oil companies as part of their emergency response teams. Other opportunities exist to combine your EMT skills with pursuits which are

(Continued on page 68)

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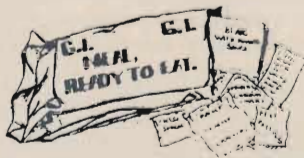
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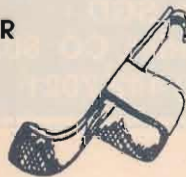
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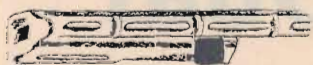
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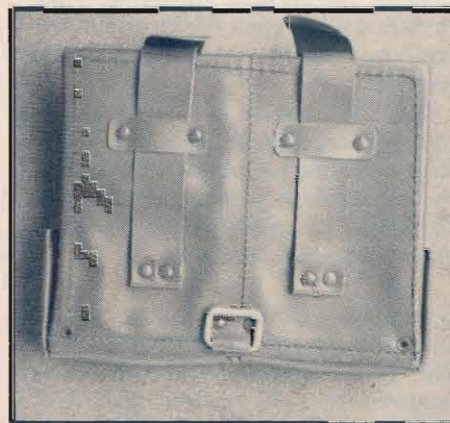
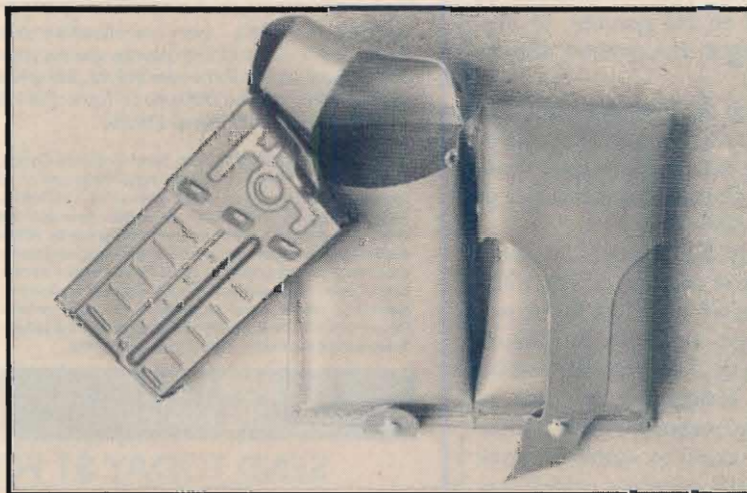
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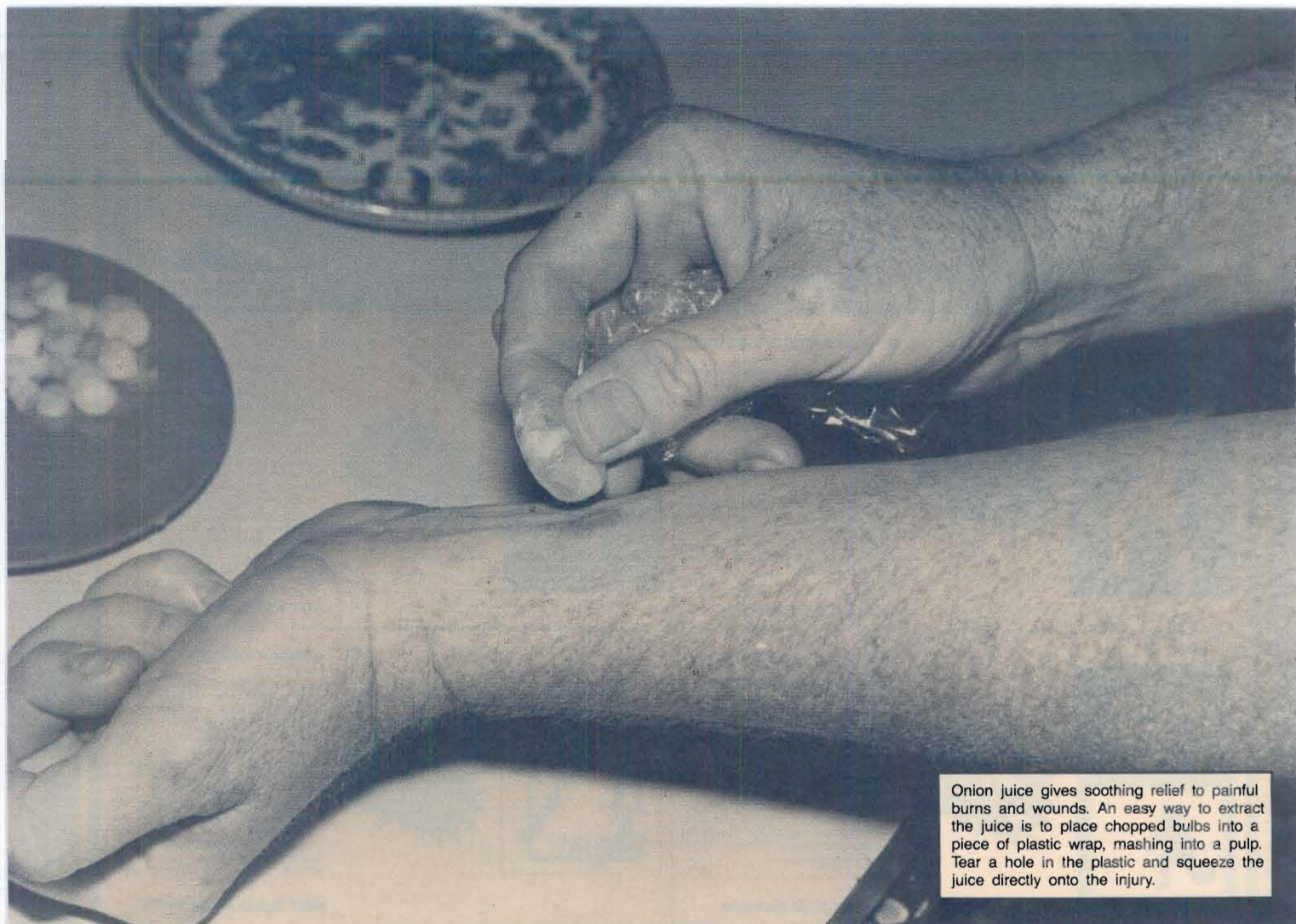
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By T.R. Zimmermann

PHOTOS BY DENNIS ELLINGTON

ALMOST everyone is familiar with the common onion. Its supremely edible qualities have universally placed it in the kitchen or by the campfire as a culinary additive or seasoning. All parts of the plant (bulb, leaves, flowers, fruits, and seeds) can be eaten raw, cooked or in prepared foods.

What is not well known is the onion's uses in medicine. The onion can relieve pain and prevent infections. The early Greeks and Egyptians were among the first to recognize its medic-

inal values. Modern research has now detailed its usefulness in the treatment of burns, cuts, wounds, and internal ailments.

To treat burns and scalds, slice a fresh onion bulb in half and squeeze the juice directly onto the burn. The juice will instantly relieve the pain. Daily applications of onion juice or a soothing compress of onion paste on a burn aids in its healing.

Interestingly, the Japanese utilized onion extracts on Hiroshima burn vic-

tims with favorable results. Onion juice not only aids in healing extensively burned skin, it helps to reduce the formation of ugly scar tissue as well.

For cuts and wounds, cotton swabs soaked in onion or garlic (the onion's closest cousin) juice makes an effective antiseptic and antibactericidal bandage. Just tape into place and immobilize the injury. Studies have shown that infectious bacteria resistant to other antibiotics will succumb readily to onion juice.

In China, a daily cup of hot onion leaf tea is prescribed to patients suffering from various heart ailments. The tea has been found to help decrease the condition that causes hardening of the arteries.

A paste made of crushed bulbs can quickly relieve the pain of toothache, and the stings of insects such as bees, wasps, ants, and hornets. Also, it can be applied to ulcers, boils, and various skin diseases or infections, lowering painful inflammation and swelling.

Historically, onion extracts have been utilized by doctors in India to treat victims of the bubonic plague centuries before the feeble attempts made by European medicine. Even today, onion or garlic bulb distillation is a major business enterprise. The fine oil extract is used in the preparation of medical shampoos for treating dandruff and alopecia.

For those persons who suffer a lot from the common cold or chest congestion, they would do well to drink a cup of hot onion tea each day. The tea assists in loosening up stopped sinuses and unplugging the bronchial system. This same dosage of tea will clean out any bladder problems, too.

What kind of magical principles does the onion possess to be so medically promising? A phyto-chemical analysis of the whole plant reveals the following beneficial properties: volatile oils, diallylthiosulfide (the onion's distinctive smell), vitamins A and C, glycosides (fallicin and glucokinin), starch, pectin, and several trace minerals such as sulfur, magnesium, sodium, potas-

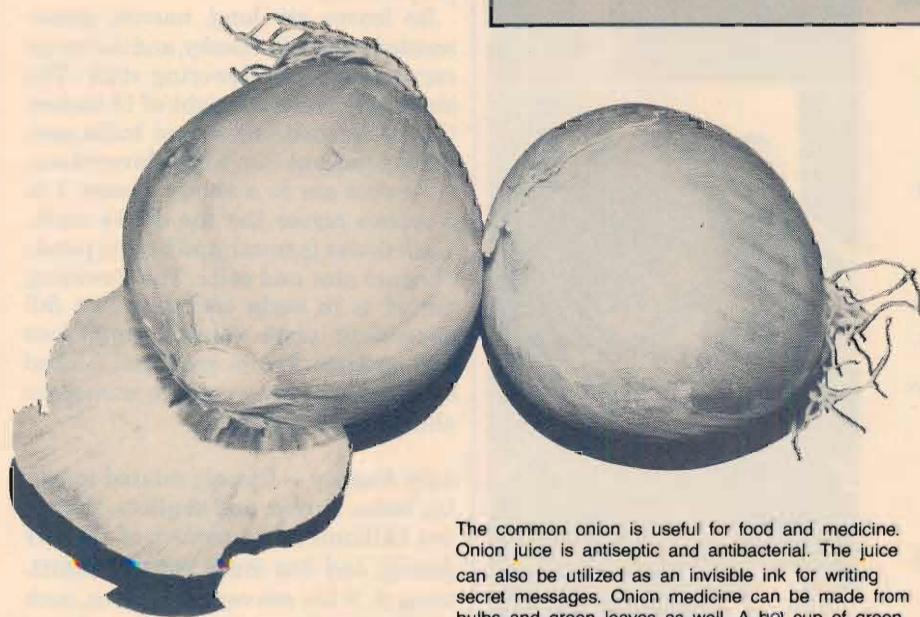
sium, and iron.

Fallicin is a germ killer. It is especially bactericidal to pathogens or germs that live in the soil. A derivative of fallicin has been produced for use in controlling infectious bronchial diseases caused by *Mycobacterium cepae*, a respiratory oriented germ.

Glucokinin, a plant hormone, has seen use as an oral insulin to lower blood sugar levels in the treatment of diabetes. It has been credited as being the stimulating agent that speeds up the healing of injured or damaged animal tissue.

Cancer Treatment — The importance of onions or garlic to medicine ranges from simple first aid for burns and wounds, to the more complex therapy of infectious diseases and cancer. Studies have shown that continuous applications of onion or garlic juice upon malignant tumors can retard their development. In some cases, these daily applications have been known to prevent tumor reappearance or formation.

Taken internally, a small amount of onion or garlic juice will stimulate faulty digestion, increase bile secre-



The common onion is useful for food and medicine. Onion juice is antiseptic and antibacterial. The juice can also be utilized as an invisible ink for writing secret messages. Onion medicine can be made from bulbs and green leaves as well. A hot cup of green leaf tea is good for treatment of heart ailments, colds, bronchial infections, pneumonia and urinary problems.

tion, lower blood pressure, and reduce blood sugar levels. In larger doses, the juice will expel intestinal parasites from the digestive tract.

Although breathing or contact with the irritating fumes of the volatile oils in onion juice will involuntarily cause the eyes to water, this unpleasant side effect has a great benefit to an injured person.

The act of crying actually gives the patient a definite edge in the healing process. Crying releases enzymes and hormones directly into the bloodstream, helping to accelerate scab forming and the regeneration of tissue in severe wounds. Furthermore, crying relieves pain and alleviates the extreme psychological stresses experienced by the badly injured.

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Onion Medicine

be included into everyone's diet. Onions provide those essential vitamins needed to combat scurvy, and provide relief from the misery of the common cold.

Onions have a use in the garden as natural insecticide. If grown with carrots and beets, onions or garlic will naturally repel parasitic flies. Organic garden sprays can be made from the diluted bulb juice.

A homemade mosquito repellent can be made from the onion juice. Applied judiciously to bare skin, the results are somewhat mixed as apparently some mosquitoes are very attracted to the odor. Sprayed upon plants, it does repel pests.

Onions can be found growing in the wild. They are commonplace in all parts of the world, and can be seen in open, rich soils of the lowlands on stream or river banks, in fields, and pastures, and in the shaded, rocky soils of hillsides and mountain ranges. The wild onion likes to grow in dense colonies in favorable soils.

An herby plant, the wild onion is much like its domesticated kin with white pink flowers arising from a single flowering stalk that emerges from a bulb. Bulbs (modified stems) may vary in size, from the tiny 1/2-inch to the larger 4-inch diameters, and are covered individually with a thin, papery sheath.

Its leaves are long, narrow, onion-scented, somewhat fleshy, and in clumps surrounding the flowering stalk. The stalk may reach a height of 18 inches. Cut or slashed leaves and bulbs ooze a clear, mucous-like onion flavored sap.

Flowers are in a showy cluster 1 to 5 inches across the top of the stalk. Each flower is small, and has six petals of equal size and color. The flowering period is in early spring to late fall depending upon rainfall conditions and altitude. Fruits are small 3-lobed capsules, and may contain numerous shiny, black seeds.

Lily Family — Closely related to garlic, leeks, chives, and shallots, the onion (*Allium*) is a member of the lily family, and has many cousins resembling it. A few are very poisonous, such as the death camas (*Zigadenus*) and the star-of-Bethlehem (*Ornithogalum*).

They can be superficially confused with large onions, garlics or leeks.

A good rule to remember when collecting wild onions for food or for use as medicine is: If an onion type of plant does not smell or taste distinctly like an onion, then do not use it. Never take a chance, as it is far better to be absolutely sure than to be made violently sick or worse.

While onions are good food and are useful in the treatment of diseases, they do have certain side effects the reader should be made aware of. For like all good things, the onion has a bad side to it.

A person who has a steady diet of onions may develop a debilitating anemia-like condition especially if he is allergy prone. Take away the onions and more than likely he will return to normal health.



Onions are easy to grow and can be planted anywhere. They will grow well in gardens, along edges of flower beds, along retainer walls and in other unused spaces in your yard.

Too many onions for dinner can so upset the digestive system the individual may suffer great pain, excessive gas build up, and unpleasant diarrhea. Raw onions can be very irritating. Cooking them will usually lessen this misery.

Lastly, a daily overdose of onions or garlic in the diet can alter the chemical composition of an individual's sweat into that of a strong foul-smelling stench. This fetid odor will permeate his clothing, lingering upon anything he handles or touches. No amount of deodorants or perfume can suppress it either.

None of these side effects are fatal in nature, but they can literally raise havoc with one's social life. Whereas, the last side effect mentioned can guarantee a vacant seat on any overly crowded subway train or city bus. ●

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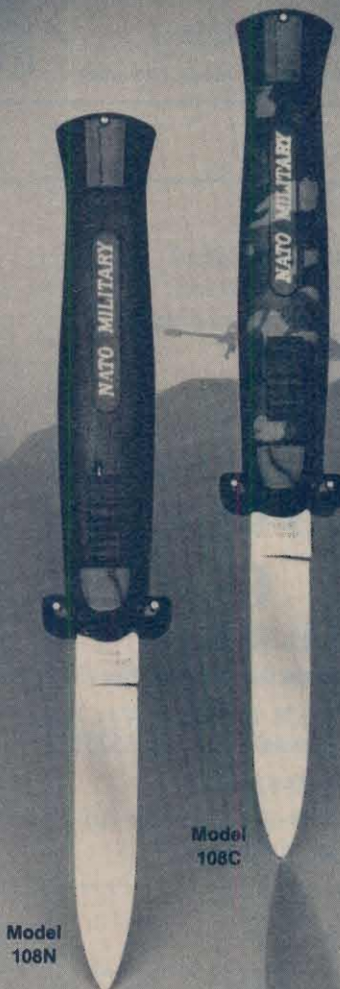
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*See "ALL THAT GLITTERS"
October '87, ASG

Books/Videos

(Continued from page 10)

but nerve gas and toxins that can kill in just a few moments with exposure to their deadly fumes." Bhopal and Cameroon are examples where thousands of people have died or become disabled by the effects of chemicals. Duncan Long describes the potential threats both chemical and biological and then lists first aid and decontamination procedures necessary to cope with these threats. Finally, a wide variety of equipment is discussed that can help protect against these hazardous substances. Gas masks, filters, hoods, suits, detectors, shelters and their manufacturers are listed.

MANUAL of the MERCENARY SOLDIER

A Guide to
Mercenary War,
Money,
and Adventure



PAUL BALOR

Manual of the Mercenary Soldier, a Guide to Mercenary War, Money, and Adventure, by Paul Balor; Paladin Press, P.O. Box 1307, Dept ASG, Boulder, CO 80306; (303) 443-7250; 320 pages, hardcover; \$17.95 plus \$3 postage and handling.

This is the ultimate insider's guide to the world of the modern mercenary soldier, written by one who has outfought, out-thought, and simply outlasted everyone he has come in contact with in this most dangerous of environments. Clients and accounts, shock linguistics, assuming the "chameleon mode," money and survival, psywar ops, shock warfare, and classic SOF cities are just some of the areas covered in this comprehensive and unique manual. You will learn the best ways to get hired, orient yourself, set up your operation and, if need be, get out before the whole situation collapses on top of you.

(Continued on page 51)

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WILL YOUR FAMILY STARVE DURING THE COMING FOOD RIOTS

Even With A House Full of Guns, Ammo and Gold?

Could we really have food riots? Yes !

Forget about building your fallout shelter, buying your AR15, 357 mag., Maple Leafs and 4 wheel drives, for they'll be of limited value without a solid food reserve and water when disaster strikes. Public panic from disasters are a common reaction from those who are caught unprepared.

Look what happened in Los Angeles Oct 1, 1987. A medium quake of 5.9 caused near riots at local supermarkets as many people rushed to their local market to hoard up bottled water and food items. Store shelves for water and soft drinks were cleaned bare within minutes. And this was only a minor disaster! By having a food storage reserve you'll be able to remain away from the stores while those who are unprepared ravage and riot hoarding food and supplies. Trying to go to a store after a crisis could be hazardous to your health!

Public panic has happened before and will happen again. The only question you need to ask is will you be prepared ahead of time?

Hi, my name is Harry Weyandt and I'm the owner of Nitro-Pak Storage Foods and Supplies. I'm not a doom and gloomer but a realist. In my home I have tried to realistically insure and protect my family against life's risks that could affect us. Today I would no more be without a food storage reserve any more than I would drive my car without a set of jumper cables or spare tire and jack - "just in case".

Food is one of those necessities we take for granted each day. We simply drive down to the local supermarket and stock-up to our hearts content, but that all could change in a matter of moments today.

Crisis on the Horizon

For many years now you have read in these pages and heard from experts like Howard Ruff and others, that investing in a food storage reserve should be your number one survival priority. Mr. Ruff recently said "No matter how extreme the idea seems at first blush, food storage is still the first step you must take to protect yourself in a volatile and uncertain world" and strongly recommended to his subscribers to get a year's food reserve now for every family member.

Why should I get a year's reserve now?

Stop for a moment and reflect on today's headlines - the Persian Gulf crisis, the oil crash, the near depression in the oil and farming states, the drought, record breaking bank closures (70% of all banks are in trouble), bankruptcy of the FSLIC, the Oct. 19, 1987 Stock Market Crash, third world loan defaults, gov't deficit spending, the increasing occurrence of natural and man made disasters, terrorist attacks, gang warfare, etc, etc.

And we're in the good times of "economic prosperity"? Come on now, who's foolin' who? Anyone of these can have a domino effect upon one or more of the others. Economic analyst Dr. Gary North said recently, "The Oct. 1987 crash was the beginning of a true depression in the years ahead..."

Reality will soon catch up to us and you had better be ready. In today's world things happen fast - even in seconds. Take for example the October 19, 1987 Stock Market Crash. On Black Monday we saw this happen as computer trading dropped the market 508 points. One wall street insider said that we came within 30 minutes of a total market collapse!



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The Lull Before the Storm

In the opinion of many experts, we are in the lull before the storm. Those who make preparations today will be able to ride out the storms which lie ahead.

Your food storage reserve should be the most important key to your survival preparations. If you don't somehow really believe that a food reserve today might one day be a vital ingredient in your survival, then perhaps you should seriously reconsider why you're reading American Survival Guide.



Harry R. Weyandt

Cheap Insurance

You know, most of us would never consider it very prudent to go without insurance coverage today. We rarely give it a second thought to insure our cars, homes, our health, teeth, our lives and even our pets! Should having a "survival insurance policy" be considered any less important?

When the house of cards begin to fall, it will be too late to get prepared - kind of like trying to buy auto insurance after an accident or fire insurance while the house is on fire.

A Nitro-Pak year's supply unit will provide you with the essentials to get through the rough times ahead. All have been well balanced and will provide the protection you need. We also carry a wide variety of preparedness supplies at reasonable prices.

If you have any questions concerning your preparedness plans or desire further assistance in placing an order with us, please feel free to contact me personally at (213) 929-4705.

Give us a call now while it's fresh on your mind - -

Sincerely,

Harry R. Weyandt
Nitro-Pak Storage Foods & Supplies
Owner

P.S. All correspondence with us is kept in strict confidence and we never rent or give out our mailing list. We respect your right to privacy.

P.P.S. Take advantage of the terrific offer on year's supply units and supplies on the following pages. Some items are limited so order early to avoid disappointment. Sale ends Nov. 30th at 6PM (PST)!

(See the ASG feature article on "Nitro-Pak" in the July 1988 issue on pages 76-77)

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Flour, White Enriched	4	13 cups	7.00	5.50	Milk, Non-Fat Instant	2 1/4	50 8oz c.	13.95	12.95
White Rice	5 1/2	80	9.95	8.50	Milk, Non-Fat Regular	4	80	21.95	17.55
Wheat, Hard Red Winter	5 1/2	44cups	8.75	5.75	Survival Candy, Hi-energy	6	snack	12.00	8.95
Applesauce	3	48	28.90	24.95	Beef TVP	2 1/2	40 3oz	14.95	9.75
Banana Chips	2	30	18.50	10.50	Peanut Butter Powder	3	14 cups	19.50	18.45
Fruit Galaxy - Cocktail	2 3/4	55	34.50	28.95	Salt, Iodized	8	12 mo.	7.75	4.95
Peach Slices	2	40	34.95	28.9	Shortening, Veg. Pwdr	3	13 cups	15.95	13.95
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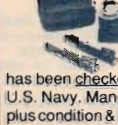


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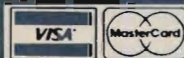
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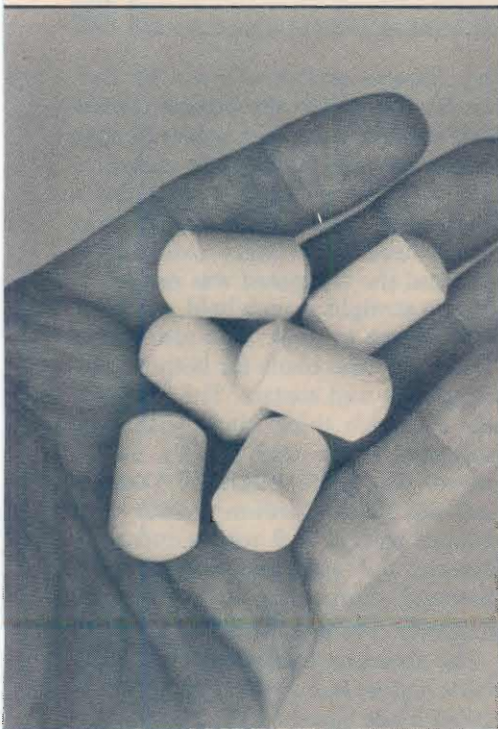
Staff Report



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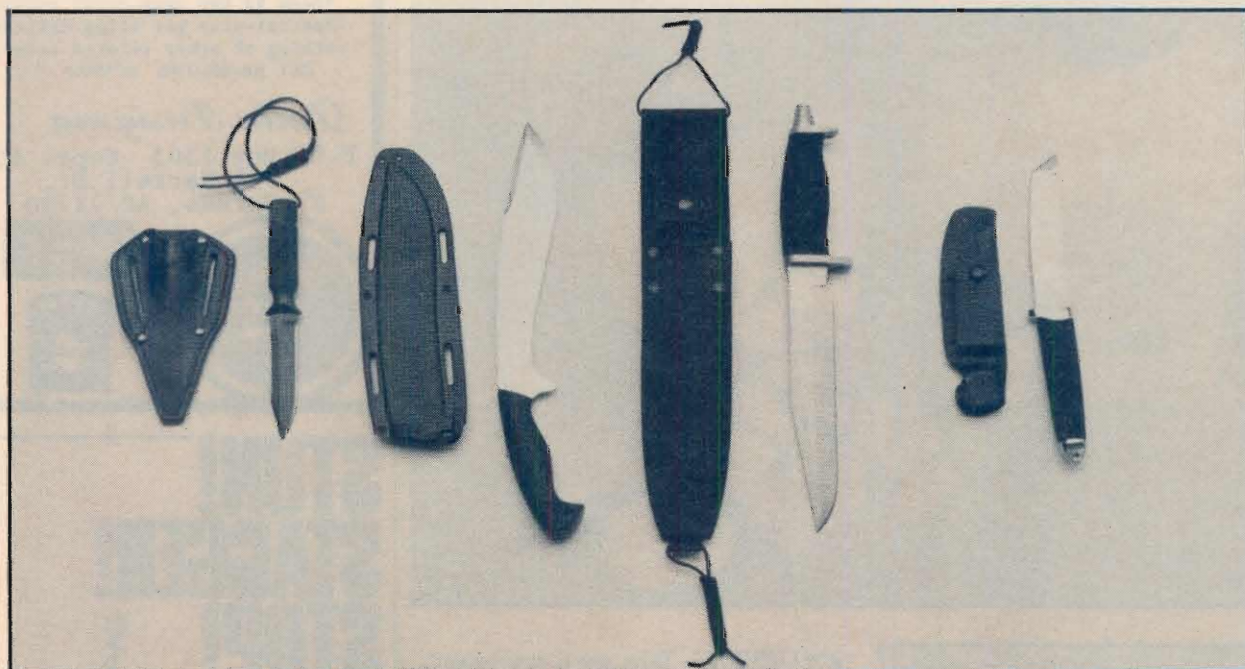
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Survival Blades

Four new offerings from some of today's best knifemakers...

Staff Report



CHRIS Reeve, Gerber, Cold Steel, Benchmade Knives. These are the names behind some of the best knives on the market today.

We recently had the opportunity to take a look at four samples of the latest offerings from these outstanding knifemakers, courtesy of the Cutlery Shoppe of Boise, Idaho.

The Cutlery Shoppe, "where the best sells for less," is a leading discount knife dealer and often works with the best knifemakers to provide the public with exclusive, customized versions of the best cutlery.

The knives we examined are Cold Steel's Special Ops Tanto, Gerber's Predator CS, Benchmade's American Bushmaster and Chris Reeve's Aviator.

By exclusive arrangement with Cold Steel, the Cutlery Shoppe is offering the Special Ops Tanto, with stainless steel guard and pommel. The Special

Ops Tanto is of top quality stainless steel construction, including guard and pommel, with comfortable "non slip" Kraton handle. This knife is as maintenance free as you can get and uses Cold Steel's new improved heat treating process and their improved tang. Included is a Ki Quick draw sheath, a friction fit sheath (no snaps to get in the way) meant for combat. It can even be worn upside down. Each knife is backed by Cold Steel's lifetime guarantee against defects in workmanship or materials and each is individually serial numbered. The first orders will have the lowest serial numbers. Blade is 5¾ inches long and ⅜ inches thick. The knife is 11⅞ inches long overall. Weight is 9.2 ounces for the knife and another 1.7 ounces for the sheath. Price is \$124.95 including sheath.

The Predator CS is another Cut-

lery Shoppe exclusive made by Gerber. Starting with the proven Gerber BMF knife design, the Cutlery Shoppe lengthened the blade to 9 inches to give it more striking power like a traditional bowie. The handle was recontoured for a more comfortable grip and the top guard was revised to allow a straight thumb hold, complete with thumb grooves. This also allows "indexing" the blade for better striking ability and control. The Predator has a ¼-inch thick blade with non-reflective finish and is 14½ inches overall. The knife weighs 16.3 ounces and the black Cordura sheath it is shipped with is 10.9 ounces and has a Bianchi mil spec belt fastener and diamond sharpening stone. Lifetime guaranty. Price is \$149.95.

The American Bushmaster by Benchmade Knives has the distinctive Kukri styled blade based on the Pacific Cut-

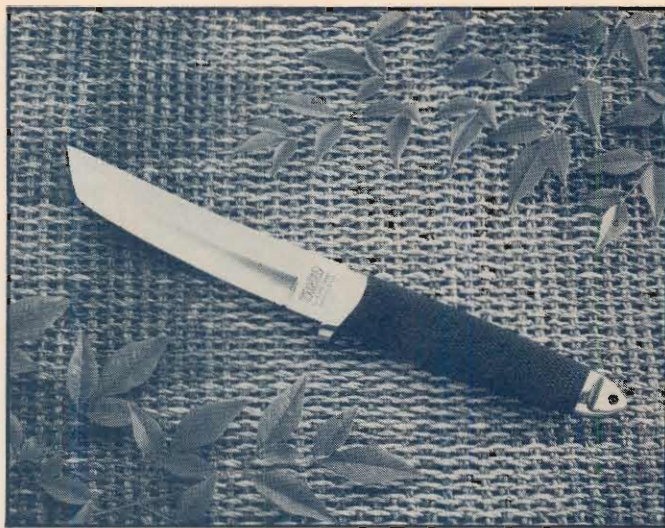
lery Bushmaster knife, which is no longer available. The blade is 9¾ inches long with new false edge for better thrusting. There are thumb grooves on top of the blade for "indexing." "Bird's beak" shaped Kraton handle gives great control whether thrusting or chopping. Continuous cutting curve of the blade and "weight forward" design provides superior slashing and chopping qualities with less effort. Satin finished 400 series stainless steel blade, with Rockwell 54 hardness for durability and easy field sharpening. Versatile kydex sheath be attached or carried many ways. Convenient lanyard hole for wrist thong. The knife is 14¾ inches overall and weighs 13.2 ounces. Sheath weighs 2.3 ounces. Introductory price, including sheath, is \$49.95.

The Aviator is one of those unique knives from the Chris Reeve collection.

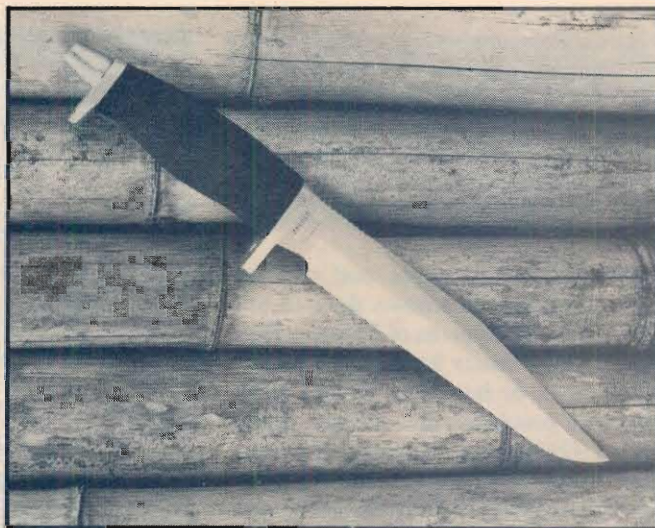
A compact knife with metal-cutting sawteeth, the Aviator was designed for airborne personnel as a survival-rescue tool. Crafted from a single bar of high carbon A2 steel, it has a 4-inch blade that is ⅜-inch thick and is 8 inches long overall. Weight is 6.6 ounces and weight of the top quality leather belt sheath it is shipped with is 2.6 ounces. The blade is honed shaving sharp and the cutting edge is the only area not coated with Kal Gard. The guard is rounded to prevent chafing of thumb and first finger. A handle recess gives a firm grip when chopping or sawing. Full depth knurl of the handle gives excellent grip under all conditions. Neoprene "O" ring seal ensures that the cavity in the hollow handle remains air and water tight. The hexagonal aluminum cap provides a good grip when opening or closing. The butt can

be used as a hammer without damaging the screw threads. A thong hole in the cap allows the thong supplied with the knife to be placed around the wrist to avoid loss of the knife. The solid steel construction without joints or seams makes this probably the strongest hollow-handle knife available. The matte finish prevents glare. Without question, this is one of the finest hollow-handle survival knives on the market.

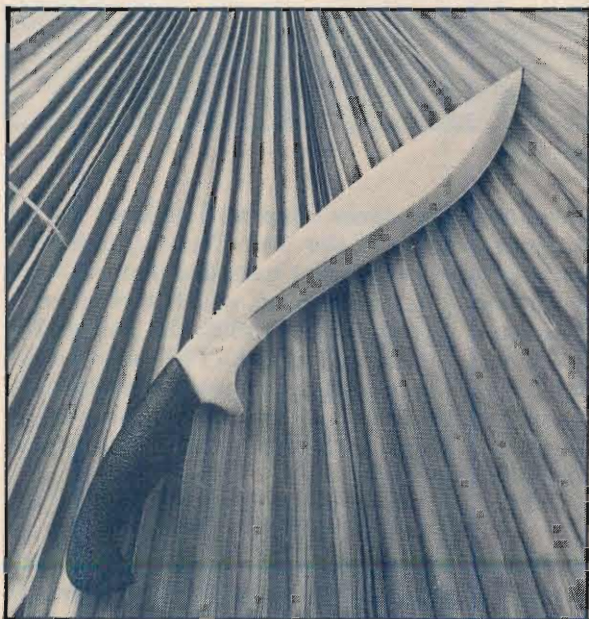
These outstanding survival blades and many, many other fine knives are available at discount prices from the Cutlery Shoppe, Dept. ASG, 5461 Kendall Street, Boise, ID 83706; ordering toll free phone number is 1-800-231-1272; you may also call 1-208-376-0430. Send \$1 for the Cutlery Shoppe's new color catalog (free with order). ●



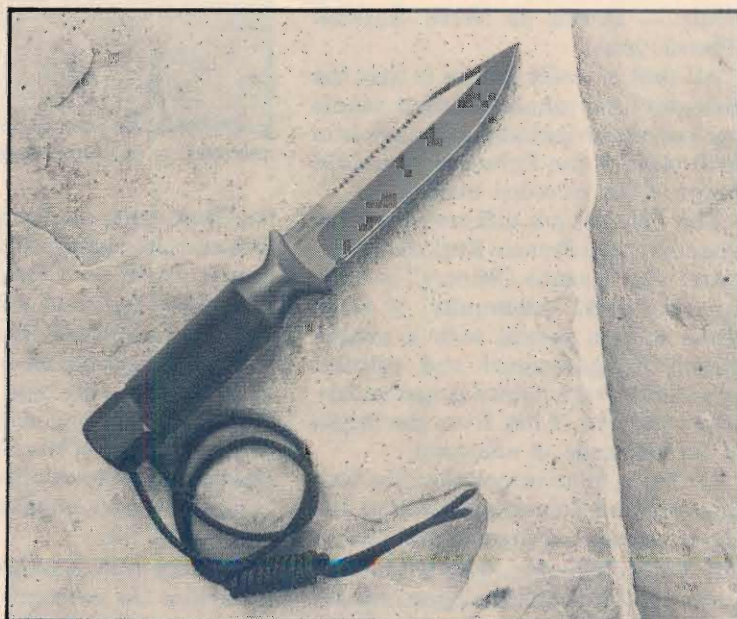
Cold Steel Special Ops Tanto.



Gerber Predator CS.



American Bushmaster from Benchmade Knives.



Chris Reeve's Aviator survival-rescue tool.

Basque ETA Terrorism

'The ETA's beginnings in 1959 were rooted in the Basque people's desire to regain their autonomy and reap the economic benefits of their region' . .

By Carl H. Yaeger

This is one of a series of articles on terrorist groups and organizations and their supporters. This article deals only with individuals and groups involved in such activities and is not intended to reflect negatively on other individuals of the same ethnic/religious/national backgrounds — The editors.

THE Basque people and civilization have no known date of origin. Like the Gypsies of Eastern Europe, nobody really knows where they came from, or how they wound up in the four provinces of northern Spain called Guipuzcoa, Vizcaya, Navarra, and Alava — known to the Basques as South Euzkadi (Spanish Zone) and in southwestern France's three provinces of Labourd, Basse-Navarre, and Soule — known as North Euzkadi (French zone).

All that is really known is that the Basques have inhabited their ethnic enclave, which includes and spreads to both sides of the Pyrenees mountain range, since recorded history.

The Basques are different from the Spanish or the French. Euzkadi, translated into 'Basque Country,' is a national-cultural community of some three million people with a unique ethnic, organizational and cultural orientation, with its own language, customs, and way of life. Even the origin of its language is unknown.

Living in relative isolation, the Basques escaped Roman colonization and the subsequent Arab conquest. Neither the Latin language, Roman institutions, nor the Catholic religion imposed upon them. Even during the medieval period, when Europe was plunged into



The effects of an ETA car bomb in Barcelona.

the Dark Ages, the Basques were able to maintain a practically independent nation, based on a form of primitive democracy based on village councils, and a farming and fishing economy.

As feudalism spread over Spain, and as a wealthy elite was created from the plunder of the Aztec, Inca, and Mayan empires of the New World, the Basques remained relatively unaffected, clinging to their small farms and simple way of life.

With the growth and power of imperial Spain, the economic and political power was centralized in Madrid, but the Basques resisted this centralizing

tendency, often with violence. By the end of the 19th Century, industrial development started to flourish in the Basque country, and Madrid's power grew apace. In 1893, the Basque Nationalist Party, the PNV, was created to help retain and preserve the Euzkadi political, cultural, and linguistic autonomy, in the face of Madrid's creeping control.

In the 1930s, Spain became a Republic and the PNV allied itself with the new, but weak Spanish Republican government, because it granted Euzkadi an autonomous status, allowing the Basques to have their own schools,

teach in their own language, and even fly their own national flag — along side of the Spanish Republic's.

This new found autonomy was short lived, however, during the civil war launched by General Francisco Franco. The Basque country suffered from the full onslaught of the war by Franco's Falangist forces, along with its Nazi and Italian Fascist allies. The cradle of Basque liberty, the city of Guernica with its historic Gernikako Arbola, (Tree of Guernica) where ancient Basque heros forged Basque freedoms, was the first in history to be terror-bombed from the air... and destroyed.

During the Franco period, which lasted some 35 years, the gains that the Basques had made were wiped out and the Falangist secret police launched a vicious campaign of repression against the "traitorous" provinces of the north.

Even under the repression of Franco, the Basques prospered economically. The Basque provinces held some of the most efficient industrial complexes in Spain, and Basque farming and fishing techniques were the most productive in the country.

Guerrilla Struggle — ETA's beginnings in 1959, were rooted in the Basque people's desire to regain their autonomy and reap the economic benefits of their region — the richest in Spain. A great percentage of the Basque country's wealth was siphoned off by Madrid, and redistributed to subsidize the poorer regions of the country.

Rebellions broke out in the form of mining strikes in Bilbao in 1947 and 1951. Basque resistance groups met across the border in the French Basque provinces, and subversive doctrines and ideologies were formulated to support revolution.

In 1952, a group of young Basque students from the University of Deusto in Bilbao, long a hotbed of Basque nationalist agitation, met to form a more effective Basque resistance. Their ideas for a protracted guerrilla/terrorist struggle against the Madrid government found receptive ears within the PNV, and a clandestine resistance group known as the EGI. On July 31, 1959, a new organization came into being, drawn from the extremist elements of both the PNV and the EGI. It was the Euzkadi Ta Askatasuna... the ETA, the Basque Homeland and Liberty Liberation Movement.

It was no accident of fate that the ETA was formed in 1959 — or that it had Marxist leanings. The newly formed organization looked to Castro's Cuba

for inspiration; a movement which achieved power through a guerrilla/terrorist struggle in 1959.

During the Spanish Civil War, the influence of the Soviet Union was very strong within the Spanish Republic and many Basque nationalists during the 1930s were Marxists. When Premier Nikita Krushchev announced, in 1956, that the Soviet Union would support "Wars of National Liberation" anywhere in the world, he had the Basques in mind.

At the outset of its "War of Liberation," the ETA aimed its terrorist vio-



lence at the hated symbols of the Madrid government. In July, 1961, the ETA attempted to derail a number of trains en route to San Sebastian. The trains were carrying Franco supporters to festivals commemorating the military uprising which started the civil war. The plots were foiled, and dozens of ETA fighters were rounded up, tortured, and executed. Once again, the ETA leaders fled across the Pyrenees to the French Basque provinces for sanctuary.

The ETA went through an identity crisis at this time, and a redefinition of its goals. They had been greatly influenced by the great communist revolutions of Vietnam and China. Jose' Echevarrieta, one of the founders of the ETA, absorbed the works of Mao Tse-Tung and the necessity for armed struggle against "imperialism." Many of the Maoist guerrilla warfare concepts which he learned, were incorporated in the Basque guerrilla warfare manual, *Insurreccion en Euzkadi*, although it was modified to fit Basque

realities — towards urban terrorism rather than a classical, guerrilla struggle in the rural areas.

To further define the Basque struggle, Echevarrieta and other Basque ideologues probed the Basque militant heritage of the ancients to bolster the faltering ETA. In one Basque ETA propaganda broadside, it was stressed:

"For the ancient Basque militant Gudari (irregular soldier) intent on waging revolutionary warfare, far from being ignoble, to deceive, to force, and to kill is essential. We are intransigent so far as our ideas, our truths, and our goals are concerned. The targets from which we will choose, amount to thousands. To us is reserved the luxury of attacking when and where we want. In the moment of attack, through concentrating our forces, we shall be stronger and more numerous than the enemy. The form is, to charge like a bull, to defend like a boar, and to flee like a wolf."

The ETA leadership saw the need to gain the support of the Basque population, not only by appealing to the Basque guerrilla tradition, but by appearing to be fighting for correct ideals and for their independence.

ETA Growth — The early 1960s was a time of tremendous growth for the ETA, and a sense of overconfidence began to characterize many of their operations. In 1964, the Maoists within the movement took control of the Basque Nationalist Party. At this juncture, the ETA ceased to represent the pure interests of Basque nationalism and many Basques were beginning to see them more as anti-imperialists/anti-capitalists than as Basque Freedom fighters. A terroristic communist element within both the ETA and the PNV was gaining ground, which favored a form of "revolutionary nationalism" which would be tied into, and part of a general struggle of Third World nations, rather than strictly a Basque struggle.

The ETA was propelled into international infamy in 1973 with the assassination of Carrero Blanco, the nominated prime minister of Spain, and the heir apparent to the sick and aging Franco. Carrero Blanco was committed to the ruthless elimination of the Basque insurgency... and at the time, had the support of most of the Spanish people.

The ETA had made several attempts to kidnap or assassinate him, but his bodyguards were too vigilant, and too well armed.

Basque ETA Terrorism

In December of 1973, an ETA intelligence cell slipped into Madrid and ran a surveillance on Blanco. The weak link in Blanco's personal protection plan was that he was a man of predictable habits. He attended Mass every day in the same church . . . at the same time, and took the same route to get there. After the intelligence on Blanco was evaluated, an ETA operational cell rented a small apartment behind the church. They dug a tunnel from the apartment to the mid-point underneath the road. It turned out to be a herculean engineering task, as they had to bring in heavy timbers for support to prevent the road from collapsing or sagging as heavy vehicles drove over it.

The ETA cell then packed eighty kilos of industrial explosives in the tunnel — a slight case of overkill — and then ran wires out of the apartment window to a point down the street where the ETA could detonate the charge by electronic signal.

On December 20, 1973, Carrero Blanco's car drove over the point in the street where the explosives were hidden. The resulting explosion rocketed Blanco's heavy, armored limousine spectacularly over a five-story building where it landed on a balcony on the second floor of a courtyard. Cynical Spaniards refer to Carrero Blanco as "Spain's first astronaut." Blanco and his body guards were killed instantly.

Now, the ETA was big news. The assassins found refuge in France, and the media was manipulated into announcing ETA's new offensive against the tail end of the Franco regime. The old dictator was on his death bed, and Tupamaro terrorists from Uruguay, and Argentine Monteneros were joining the Basques for the kill. The ETA had learned a great deal from their South American counterparts, especially in the use of explosives. The assassination of Blanco was the first time that the Prime Minister of any European nation had been murdered since World War II.

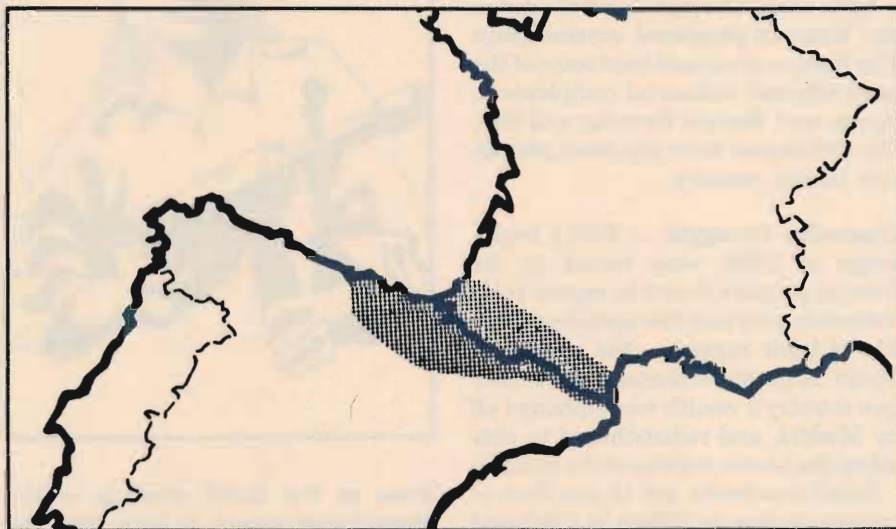
In 1975, Franco died, and a legally recognized arm of the ETA was organized. The political situation in Spain was changing with Juan Carlos, the young king, who replaced Franco. He pursued a gradualist approach to bringing democracy to Spain. It was hoped that Basque violence would now cease, but it persisted instead.

In 1978, the moderate Basque nationalists realized most of their goals when the Statute of Autonomy was passed. The Basques were granted their own police force; were given the power to raise and spend taxes, and the smothering centralizing tendencies of Madrid were loosened. The Basque provinces were, for all practical purposes, a separate nation. This did not satisfy the Basque extremists, however, who now saw the ETA fight as part of a much larger global struggle against world-wide imperialism.

It was at this point that the ETA split into two factions; the ETA-Militar,

which is totally committed to violence, terrorism, and bloodshed, and the ETA-Politico-Militar, which seeks political solutions, although the political wing still condones violence if it furthers its ends.

International Links — When the ETA first began its operations, it had aimed its violence primarily at political, military, and police targets. As their campaign grew, so did the need for money, and so kidnapping for ransom became stock-in-trade for the ETA, Extortion became even more widespread, and a "revolutionary tax" was imposed on



The Basque "nation" extends to both sides of the Pyrenees mountains in Spain and France.



Captured ETA weapons caches.

Basque businessmen, industrialists, and even the less wealthy. Those who refused to pay this protection money, were labled as traitors to the Basque nation and were punished by beatings, boycotts, and even execution-style murders.

The ETA has forged links with other terrorist groups outside of Spain, such as the PLO, Tupamoros, the Red Resistance Front in Holland, the Italian Red Brigades, and especially the Irish Republican Army. ETA terrorists have been reported to have received training in South Yemem, Algeria, Libya, Cuba, and have been observed fighting with the Sandinista government forces in Nicaragua.

The ETA strategy has been to provoke Spain's military and security forces, still heavily Francoist, into a coup d'etat to overthrow the weak democracy of King Juan Carlos. Each ETA outrage, whether it was a spectacular bombing, an assassination, or an attack on the Policia Nacional or the Guardia Civil, was designed to push the military closer to a coup. It almost worked. In 1981, Colonel Tejero de Molino, led his Guardia Civil unit into Spain's congress, the Cortez, and tried to overthrow the government. Happily, for Spanish democracy, the coup attempt was not supported by the Spanish armed forces.

More recently, the rhetoric of the ETA has become stridently anti-NATO, and their slogans of "Yankee Go Home," have been found painted on the walls and the sides of buildings near American naval and air bases in Spain. American facilities and military personnel have been attacked in the country, and the overt ETA political party and front group, the Herri Batasuna, has joined other leftwing parties calling for Spain's withdrawal from NATO and the removal of all American military forces from Spain.

The ETA has joined forces with other Spanish terrorist groups such as the Marxist Grupa de Resistencia Anti-Fascista Primo Octubre (GRAPO) and the Autonomous Anti-Capitalist Command, in attacks on Spanish military and NATO targets.

The ETA enjoyed the best of two worlds in its assault on Spanish democracy. The government's reaction was often sluggish and vacillating, and the ETA terrorists enjoyed sanctuary and immunity in France. When the ETA started to agitate among French Basques, the French government denied them sanctuary. The ETA then, foolishly, launched a campaign of terror

in the French Basque provinces.

The French crackdown on the ETA coincided with the formation of a crack counter-terrorist force in Spain, the Special Operations Group (GEO) of the National Police. GEO recruits are young men, drawn from the ranks of the Spanish Army and the Guardia Civil, untainted by the past of Franco Fascism.

The GEO has scored some notable successes against the ETA, in fact, the Madrid Commando of the ETA was all but destroyed by GEO attacks. This has caused the ETA to increase its operations in other parts of Spain, such as Catalonia and Barcelona. ETA cells have attacked targets in these areas as well as the busy resort of Lloret del Mar on the Costa Brava, one of Europe's favorite playgrounds. The ETA has threatened to ruin Spain's tourist industry through indiscriminate attacks on visitors to resort facilities.

The summer of 1992 might be a long, hot summer if ETA threats hold true. The city of Barcelona has been selected as the site of the Olympic Games for that year, and the ETA has threatened a storm of "blood and fire" to disrupt the games. To emphasize their announcement, an ETA bomb exploded in an underground parking area at a supermarket in San Andrea, a drab workingman's suburb of Barcelona. The carnage was dreadful: 20 dead and dozens wounded.

This senseless attack seems to have been a turning point in the fortunes of the ETA. Spanish and French government cooperation against the ETA grew stronger and better co-ordinated. The Basque population seems to have lost interest in the ideological arguments of the ETA since the reforms of Juan Carlos have basically given them everything they've wanted from Madrid. The Basque people have discovered that things can be achieved democratically through the liberalized democratic government, not through violence.

The ETA has evolved from a fledgling group of revolutionary freedom fighters to a notorious group of Marxist terrorists. The Basques are caught between the fear of acting against the ETA, and the moral dilemma of condoning ETA's violence. The people are no longer under an oppressive government. Knowing this, the ETA has become just another leftist terrorist group fighting against that abstract enemy known as "western imperialism."

But to the Soviet Union, the ETA is another arrow in its quiver to destabilize a valuable NATO ally. ●



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Executive Protection Products, Inc.:

Is My Phone Tapped?

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EVERY day we are asked this question by people who are concerned with keeping their business, particularly their phone conversations, private.

When someone asks, "How do I know if my phone is tapped?," they are often looking for a simple answer, or a magic box that will tell them if the phone is or isn't tapped. In recent years there have been a number of inexpensive devices that have claimed to tell you with a red or green light if your phone is tapped. They offer only a false sense of security as they are easily defeated, if in fact they even work at all. (We will explain how these devices work later.)

In reality phone security isn't quite so simple. There are numerous ways a phone can be "tapped" or "bugged." To insure phone security one must provide countermeasures to each perceived threat.

There are two primary ways of intercepting telephone conversations. The first is to "tap" the telephone line. This is usually a hard wire tap into the phone line anywhere from your phone instrument to the central office. It would either be monitored in "real-time" by those performing the surveillance, or by automatically recording both sides of the conversation everytime the phone is picked up, using a tape recorder auto switch such as the one we offer.

The second primary way would be to "bug" the phone. This refers to placing a transmitter in the phone instrument or on the line. A transmitter sends a radio frequency (R.F.) signal to a receiver at a listening post where it can be monitored and recorded. If properly placed, this type of "bug" will

transmit both sides of the conversation for a distance of several hundred feet up to several miles depending on the type of device used. Even farther distances can be achieved by using repeaters.

There are of course a number of other ways that your phone conversation can be compromised; however, most are quite limited in their actual application.

To determine if your phone is tapped requires properly checking for the presence of any of the aforementioned devices. This can be accomplished several ways:

(A) Hire a competent technical counter surveillance team to sweep your existing phone lines. (Executive Protection Products offers this service.)

(B) Acquire the appropriate tools and knowledge to sweep lines. (We provide complete countermeasure systems and training.)

(C) Install a new, "clean" line and immediately secure with protective devices.

Note: After a line is declared "clean" by an in-house or contract sweep, the line must be secured immediately or you are again vulnerable to attack and your effort and expense will have been wasted.

To secure a clean line has always been difficult, and as we noted earlier, there have been a number of cheap "tap detectors" sold that claim to warn you if someone is listening. Most work on the principle of voltage drop. If for example someone picks up an extension phone, the voltage on the line drops, which sets off a warning light or other signal. They generally are not sensitive enough to pick up a real threat such as a "tap" or "bug" on the line. And they can easily be defeated just by unscrewing and removing the carbon microphone in the telephone hand set of an extension phone before picking it up to listen. Using this type of device may compromise your conversations. We do not recommend this type of unit.

In determining what type of device or devices to use in securing a line, a number of factors must be considered. First, what is the level of perceived threat? For example, is the concern on a local, regional or national level? What level of technology do they have

available? What are their financial resources? For how long a time must the information be protected? (Information that was classified 10 years ago is now available at the library.)

Once you have determined the level of threat, then you must look at the equipment available to meet or exceed the proposed threat level. We caution here that there is no device made by man that can't be beaten by man given enough time and money.

On any line that has been determined "clean" we highly recommend that a new device called the "Evaluator" be installed. Unlike the other devices, the "Evaluator" is a micro-processor which takes a "fingerprint" of the voltage, resistance and capacitance of your individual line and telephone and stores it in memory. The computer then performs checks 24 hours a day, comparing the values stored in memory against current conditions.

If for any reason there is a minute change (such as in the case of a phone "tap" or "bug"), the "Evaluator" will respond with an L.E.D. readout in the form of a letter or number, which refers to the type of device present or problematic condition. It protects the line between you and the central office of the phone company.

The "Evaluator" is unlike any device previously offered and Executive Protection Products is the first to make it available to you. Contact us for more information or to order.

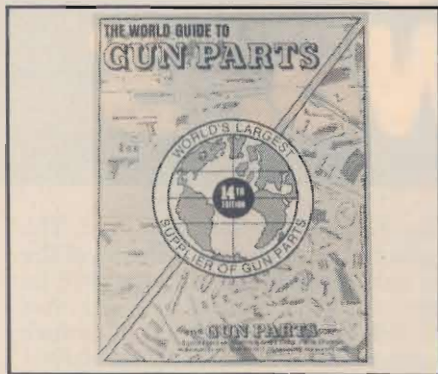
To protect **both** sides of a conversation from one end to another, including any operators or intercepts in-between, one must consider "scrambling." This is accomplished by utilizing a "scrambler" at both ends of the conversation. A scrambler breaks up the conversation into an encrypted form which is then instantly decoded at the other end of the conversation by a matching scrambler into clear, normal speech.

Scramblers are available in various levels of security, ranging from simple speech inversion to digital analog systems with complex code variations. We offer a complete line of scramblers to fit your needs.

As explained earlier, there are a number of different ways of intercepting telephone conversations, and we have only briefly covered two of the most common. If we can further assist you in evaluating your phone security needs, contact us at (707) 253-7142. Please use a phone other than those that you suspect. ●

Books/Videos

(Continued from page 38)



The World Guide to Gun Parts, 14th Edition, The Gun Parts Corporation, successors to Numrich Arms Corp. Parts Division; The Gun Parts Corporation, West Hurley, NY 12491; (914) 679-2417; 472 pages, softcover; \$5.95 in the U.S. or \$10.95 in foreign countries.

Hobbyists, collectors, sportsmen and gun enthusiasts will find this catalog to be one of the best sources for gun parts, services, and special interest items. With an inventory of over 300 million gun parts, there is usually no problem finding the items you need. Colt, Marlin, Mauser, Remington, Ruger, S&W, Winchester and more. Virtually every page contains illustrations and exploded views of rifles, pistols and shotguns listing part numbers and prices.

Venison Processing: A Meatcutters Way, a video from Ryebrook Productions, Inc.; VHS or Beta, \$39.95; Illinois residents add \$2.50 tax; Ryebrook Productions, Inc., 7461 Ryebrook, Dept. ASG, Rockford, IL 61111; (815) 877-8219.

This 87 minute video tape teaches proper meat handling and dressing in the field, the best way to transport the meat home, and once home, the preferred ways of skinning and butchering. The tape features Mike McDermott, a professional meatcutter for 16 years and serious deer hunter and hunting guide. Mike gives tips and tricks on how to prevent tainted and bad tasting meat. He suggests certain tools and knives to aid in field dressing and then back home takes you through a step by step method of processing the meat, including sausage making. Even for those not planning to butcher a deer themselves, this educational video is a must for every hunter wishing to obtain the maximum delicious flavor from their venison. ●

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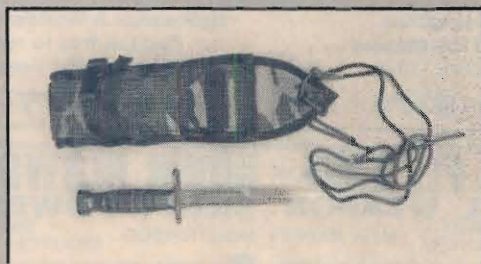
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Springfield Armory 10mm OMEGA Pistol. The new 5-inch barrel model of Springfield Armory's popular multi-caliber OMEGA pistol system. Like the extra-long 6-inch OMEGA originally offered by and still available from Springfield, the 5-inch model, shown here behind the 6-inch model, is available in three caliber choices: exciting new 10mm, .38 Super and .45ACP. The Giveaway prize will be 10mm only, but easy interchangeability of calibers can be had by purchasing .38 Super and .45 ACP barrels and recoil mechanisms, making the OMEGA the first practical multi-caliber pistol on the market. The 5-inch model was developed in response to requests from shooters who prefer the more conventional 5-inch length because of its adaptability to various add-on compensator units and to most standard pistol holsters. The 5-inch barrel is hammer forged and polygon rifled for maximum quality, accuracy and long life. The barrel is available with or without ports in all calibers. The prize gun has a ported barrel. Porting serves as a built-in compensator to reduce muzzle rise and recoil. Other features include a special lock-up system that eliminates normal barrel bushing and link found in most 1911-style pistols; patented dual extractor system allowing changing calibers without changing extractors; adjustable rear sight and interchangeable front sight; Pachmayr wraparound grips. A retail value of \$850. For more information contact Springfield Armory, Dept. ASG, 420 W. Main St., Geneseo, IL 61254; (309) 944-5631.

Kawasaki Ninja 700 one-touch start portable electric generator. Featuring super easy operation by just pushing the one-touch start button, the Ninja 700 puts out up to 700 watts of power on 120 V/60Hz AC or 12 V 8.5 A (102 watts) on DC for battery charging. It has a 2.5 liter (.66 U.S. gallon) fuel tank capacity. Engine is an air-cooled, four-stroke, 76cc (4.6 cubic inch) gasoline engine which will run about 3.8 hours on a full tank of gas. When the job is done, another touch of a button stops the engine and automatically reactivates the ignition system for instant restarts. No other generator in its class offers this kind of convenience. And none are as easy to use over the long run because a host of high-tech features like automatic choke and fuel valve systems eliminating controls to adjust during operation. The Ninja runs whisper quiet, with a tough, fully enclosed steel body and exclusive Uni-Flow cooling system ensuring that even 10 steps away the sound of the operational Ninja 700 is no louder than a normal conversation. It's so light (51.8 lbs.) and compact (20.1 x 10 x 15.3 inches) it will go just about anywhere you want to take it. The strong, built-in carry handle makes carrying it easy. U.S.F.S. approved spark arrester. There are also automatic circuit breakers on both AC and DC outlets and an oil alarm system which stops the engine and lights an indicator before oil level drops too low. Retail value: about \$550. Contact Kawasaki, Dept. ASG, 9950 Jeronimo Road, Irvine, CA 92718-2016; (714) 770-0400.

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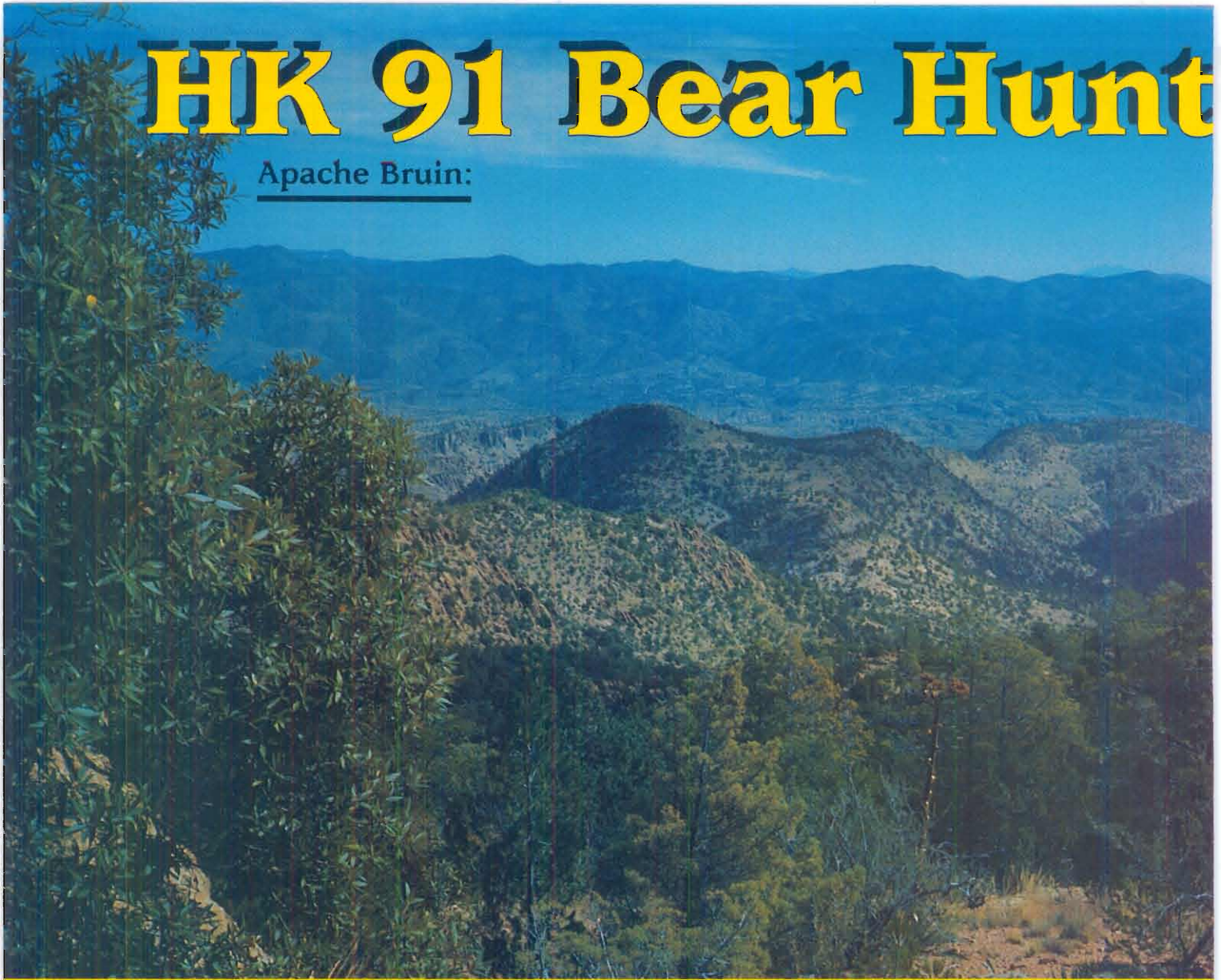
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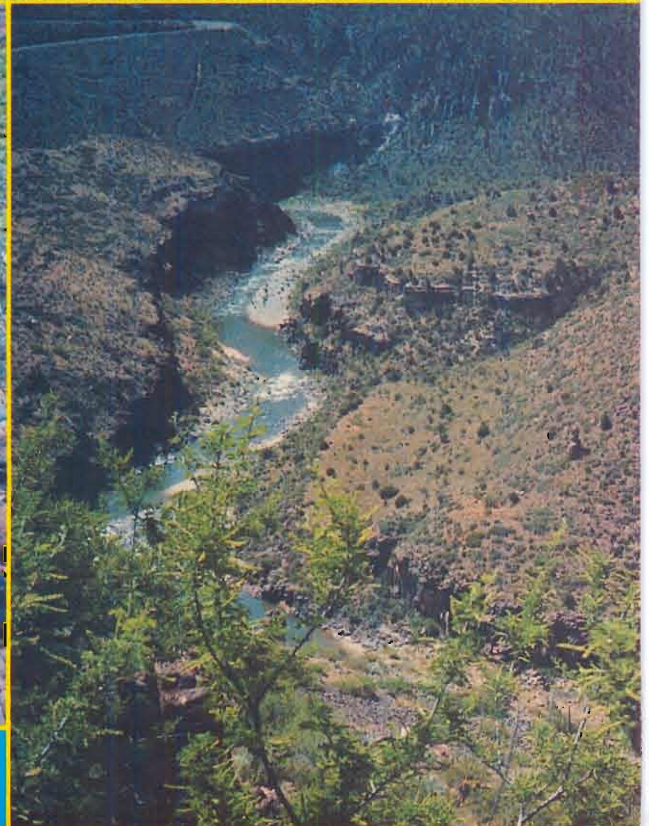
The Tomcat folding bowie knife from SOG Specialties, Dept. ASG P.O. Box 1006, Santa Monica, CA 90406; (213) 451-4292. All stain-resistant steel construction enhances this heritage-rich 3 3/4-inch bowie blade design with exact grind lines and superior cutting capabilities. SOG's negative-draft locking system prevents accidental folding of the blade. Grips are "point positive" Kraton for a firm hold. Overall length is 8 1/2 inches. The knife comes with lanyard and dual-mount nylon sheath. Value: \$80.

HK 91 Bear Hunt

Apache Bruin:



The author, left, and Gary, assistant guide for Ramrider Guide and Outfitters, pose with the bear Hoover shot with his HK 91.





The diverse and beautiful ecosystem found in southeastern Arizona is home to a variety of game. Some of the largest black bear, antelope and elk in the world live there.



Arizona's San Carlos and White Mountain Indian reservations are home to probably the largest group of Boone and Crockett bear in North America . . .

By Lenny Hoover

THE 4-by-4 pickup bounced around yet another hairpin dirt and gravel curve. Each turn opened up another small canyon to look at.

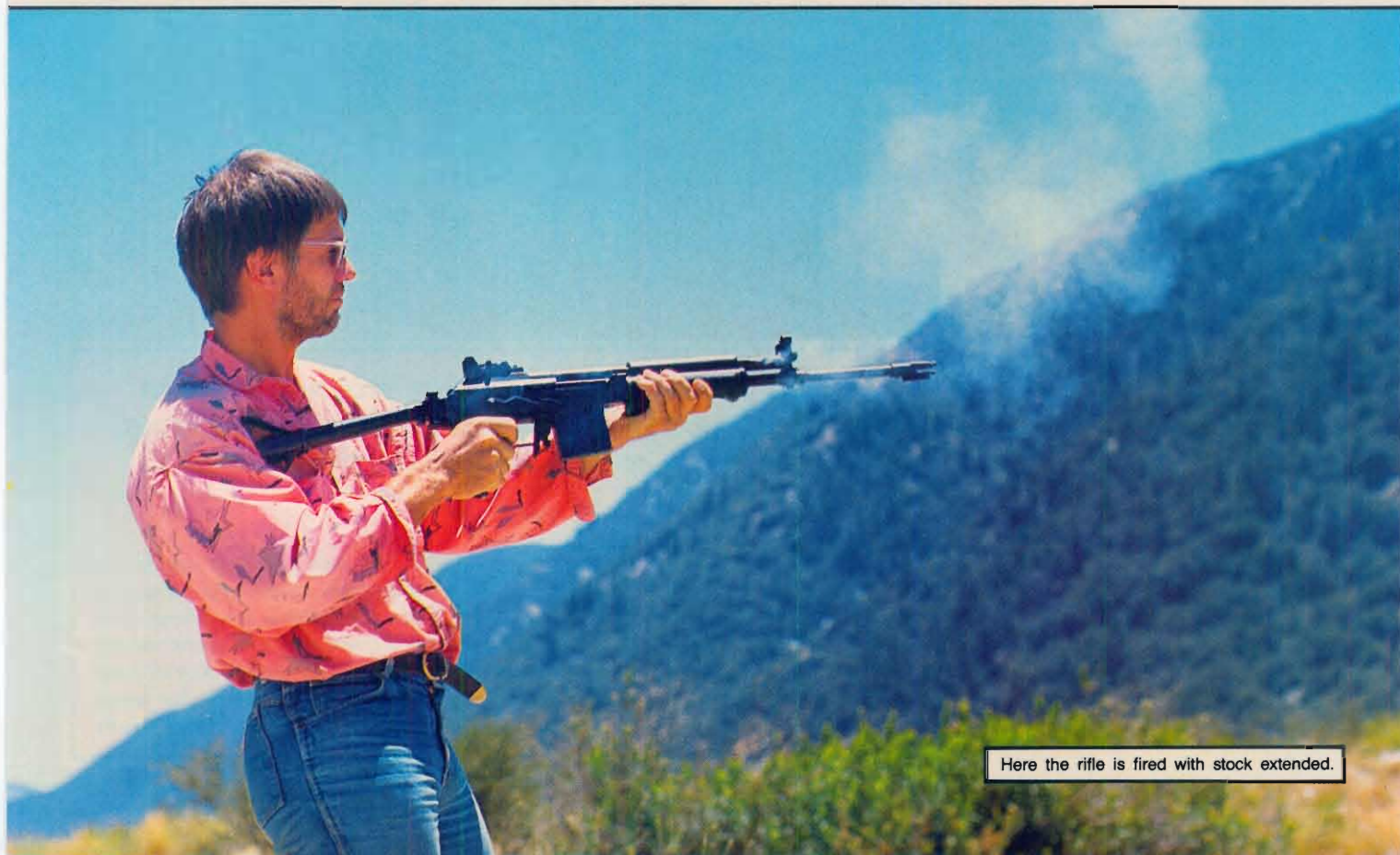
The area's ecosystem was simply amazing. Pine forest, upland savannah, cedared canyons and lowland

desert, all at war with one another in series of altitude steppes, the perpetual warfare created by a transition zone where a diverse and abundant variety of plants could be found. Many of these plants are good foodstuffs for black bear.

Continued on page 62



The M76 butt stock can be folded for firing in confined spaces.



Here the rifle is fired with stock extended.

Stoeger Industries:

Valmet M76 Rifle

This Finnish-made AK take off in 7.62 x 51mm NATO caliber is a fine weapon, but the magazines have a serious design flaw. . .

By Jim Benson



Ejected cases bump against the receiver cover at the rear of the ejection port before bouncing away but no damage is done to the cover. A brass buffer can be purchased to protect brass for reloading.

VALMET'S M76 semiautomatic assault rifle in 7.62 x 51mm NATO (.308 Win.) caliber is based on its famous military rifle.

The M76, new on the U.S. market, is the latest of a series of modified versions of the Soviet AK-47 and AKM rifles and also has similarities to the Israeli Galil weapons. The M76 is also manufactured in .223 Remington and 7.62 x 39 mm (Russian) calibers. The gas-operated M76 is built to withstand rough handling and high firing loads in all types of climate and terrain.

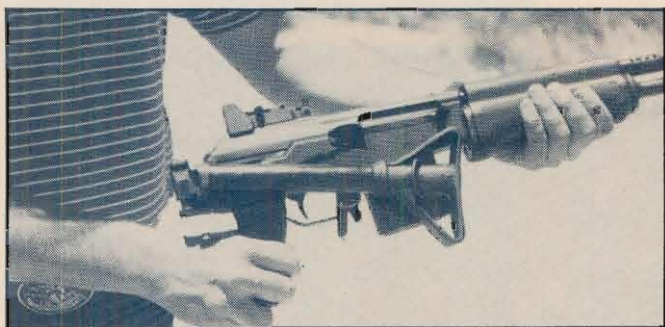
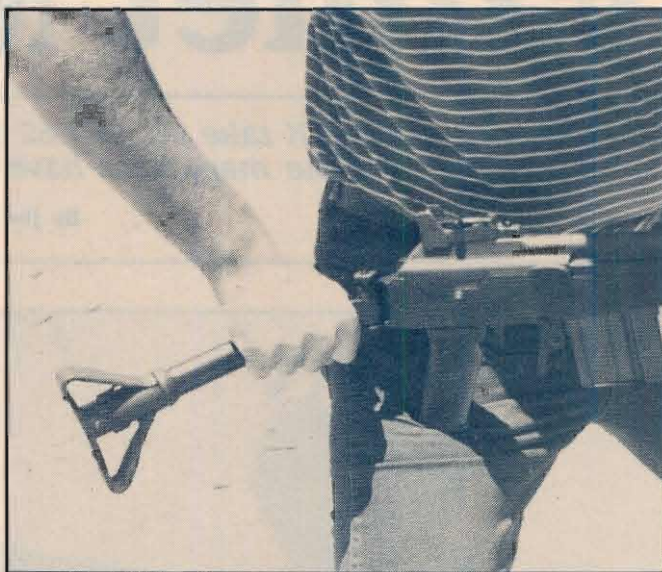
But a weakness in the magazines shipped with the rifles may result in

malfunction. Stoeger Industries of South Hackensack, New Jersey, imports the M76, available in .308 and .223 calibers, from the Finnish state arms factory SAKO-Valmet.

The folding steel butt stock model we shot has an ABS-type fore end and pistol grip. It also has a machined steel receiver for greater strength, reliability and accuracy. Another distinction of our test M76 was a larger, heavier bolt than the bolts of its AK and Galil cousins, a safety plus when you consider the greater pressure generated by the 7.62 x 51 mm NATO cartridge.

The rifle has a post front sight with a tunnel guard which helps align sights and prevents glare. The post is adjustable for windage with two adjusting screws. And there is a built-in flip-up tritium painted front post sight for night shooting. The rear sight is a conventional leaf sight with adjustments to 600 meters with a rearmost stop for the 150-meter range. The leaf sight has a peep sight blade adjustable for elevation. When the leaf is turned forward 180 degrees, the rear night sight with two tritium luminous spots becomes visible. The night sight position is separately adjustable for height with

Valmet M76 Rifle



ABOVE & LEFT — Folding the butt stock is accomplished by pushing down on the butt stock near the hinge at the rear of the receiver while bracing the rifle against your hip or other firm surface.

BELOW — The front post sight is adjustable for windage and is protected by a tunnel hood. A flip-up front post with luminous tritium spot is used for night shooting.

an adjusting screw.

There is a prong-type flash suppressor with bayonet socket attached to the muzzle. Valmet makes and sells a bayonet and other accessories for the M76. It is shipped with cleaning gear and 5-round magazine. We also used it with an optional 20-round magazine. After firing more than 100 rounds of Portuguese military ball 7.62 NATO ammunition through the rifle dimples in the front walls of both magazines were discovered. This was apparently caused by the recoil slamming the cartridges into the front wall of the magazines. Instead of the usual thick or double sheets of steel in 7.62 NATO magazines, the Valmet magazines are only one sheet of thin steel. At least one arms dealer we discussed the matter with expressed concern that this weak construction of the forward wall of the magazine might lead to an eventual punching through the wall by the bullet tips due to the strong recoil produced by firing the weapon. That could mean a malfunction, damage to the rifle and even injury to the shooter.

Our test M76 came to us without any adjustments after leaving the factory and we used it out of the box without making any sight or other adjustments ourselves. In firing more than 100 rounds of Portuguese mili-

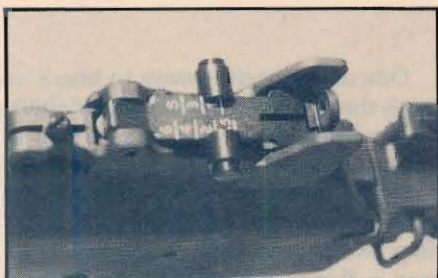


tary ball ammunition in the rifle we never experienced any malfunctions. Standard military full metal jacketed ammunition is the only ammo recommended for use in this weapon and use of any other type ammunition, including handloaded stuff, voids the warranty.

Four of us handled the M76 and shot it. We found it was not quite zeroed for the test shooting range of about 50 yards but we could easily tell the rifle is consistently accurate. The barrel got hot during shooting and this

may also have affected accuracy.

The empty brass is flung out of the ejection port in such a way that it hits against the receiver cover just to the rear of the ejection port before bouncing away into the dirt nearby. The brass marks on the cover can be removed with cleaning solvent. Territorial Armory (4455 S. Park, Suite 106, Tucson, AZ 85714; 602-741-2333) sells a brass buffer (\$19.95) which clips onto the receiver cover that will protect the brass for reloading and prevent brass marks on the cover.



The rear sight is an aperture leaf sight adjustable for elevation and distance to 600 meters. Turning the entire rear sight 180 degrees forward exposes two tritium spots for a rear night sight.



The M76 flash suppressor is a prong type with fitting for a bayonet.

Recoil is noticeable but not a hindrance in firing the gas-operated M76, which does a pretty good job of reducing the kick of the .308 round.

Our impression of the M76 is that it's a powerful, rugged, reliable weapon except for the weakness of the maga-

zines. While the weakness of the forward wall of the magazines is a potentially serious problem, it should not be difficult for the manufacturer to correct. Aside from the design of its magazines, this is surely one of the best para-military rifles on the market. ●

VALMET M76 RIFLE: TECH SPECS

Caliber	.762 x 51 mm NATO
Action/operation	semiautomatic/gas
Weight, unloaded	8 lbs., 11.5 ozs.
Lengths:	
With stock extended	40 inches
With stock folded	30½ inches
Barrel	18 inches
Magazine capacities	5, 20 rds.
Sights:	
Front	adjustable post with tunnel guard; flip-up tritium night post
Rear	adjustable leaf; flip-up tritium night dots
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Principles Of Concealment

(Continued from page 27)

Tiger Stripes. This pattern was originally conceived for use by U.S. Special Forces and Navy SEALs. Its broad stripes of green and brown break up human outline better than the Viet Nam/Woodland pattern because of the size of each in the pattern. It also blends with fall, forested terrain as half the pattern is a medium brown, the color of bark and leafless branches. It is an extremely popular pattern with bowhunters.

Day Desert. Because of the possibility of armed conflict in the Middle East, the Army created the Rapid Deployment Force to respond to it. As this area of the world is mostly desert, the Day Desert pattern was developed by the Army to blend with sand, rock, and dry vegetation. Many areas of the Southwest United States have similar terrain, as well as arid brushlands. This pattern blends extremely well with dry foliage and scrub brush. It has gained popularity since its release by civilian manufacturers and is as readily available as the other patterns mentioned here.

Urban Camouflage. Recently introduced by Kaufmans West, this pattern is identical to the Viet Nam/Woodland pattern except for the colors. Instead of shades of green, this pattern's colors are grey, black and white.

I must point out before I continue that I'm not on the Kaufman's payroll. These Battle Dress Utilities (BDUs) are on loan only, therefore I am free to solicit the opinions of others as well as voice my own.

Somewhat perplexed at the choice of colors, I took a set of these BDUs into the small town of Lemoore, California, where I'm currently stationed. They match neither the shrubs and vegetation, nor the slat fences, stucco, aluminum siding, or brickwork in any of the neighborhoods. I showed a set of these BDUs to law enforcement agencies in the area. Most officers merely looked at me, (is he serious?), some scratched their heads, one officer commented that they "... stood out like a moose in a Kansas wheat stubble field."

Though unsuited to an urban environment, I must give Kaufman's West credit. They have, without realizing it, created one of the most effective snow

country camouflage patterns on the market. Not really meant for open snowfields, where only solid white garments offer any concealment, this pattern is most effective against partially snow covered rocks or snowy woodlands. As can be seen in the photographs, rock or wooded areas in snow country create a patchwork of mottled grey brown, and white that the Urban pattern blends well with. The white knit cap in the accompanying photo is not made by Kaufman's West. I bought it at a local K-Mart for 98 cents and used a can of black spray paint to put a few squiggle lines on it to break up the outline.

Black. Those who don't think that solid black is an effective daylight camouflage pattern have never read the accounts of the men who fought the Viet Cong in Southeast Asia. Black pajama-type garments were their uniform of preference, though it made these formidable guerilla fighters highly visible in civilian areas. The black uniforms were most effective in the dense rain forests and river delta areas. Still, there are areas similar to that in this country.

There are also certain psychological advantages to the use of a solid black uniform. Imagine the mental shock to an adversary when a black apparition, armed to the teeth, suddenly rises out of shadows in front of him. Or the tendency of the human mind to dismiss from thought the shadow that moves in the corner of the eye when other shadows also shift with the night breeze.

Black is also used by police SWAT teams. The mere arrival on the scene of these black clad, well trained, and well armed officers has prompted more than a few barricaded criminals to surrender peacefully.

Head Concealment — As important as breaking up the body's outline is the need to cover the hair and exposed skin. Be you fair or dark, the head is the most easily recognizable part of the human body because of its distinctive shape. The same goes for the face with its familiar pattern of light and shadow areas. An uncovered face shines out from surrounding foliage and can be seen for considerable distances.

One of the easiest ways to break up both the shine of the face and the shape of the head is to wear a loose fitting mesh head net. While useful in bug infested areas, some find it uncomfortable to wear. An alternative is camouflage face paint laden with insect repellent and a floppy jungle "boonie" hat.

The key to effective face camouflage is to reverse the normal pattern of highlights and shadow. The forehead, nose, cheekbones, and the chin are the normal light toned areas of the face. A dark brown or loam colored face paint is applied to these areas. The eye sockets, (including the eyelids), hollows of the cheeks, and under the chin are the normally shaded areas. Here, you would apply a light green face paint, (or white in snow country). Ears, throat, and neck also need to be painted so they don't stand out against the background. Dark face paint works best here.

An alternative to face paints is the age old Halloween standby, the end of a burnt cork. A ground up charcoal briquette works well, and is a little easier to wash off.

Exposed skin on the hands and forearms, visible under hot and arid conditions, can be covered easily by the dark face paints or gloves in cold weather.

It's important to remember that camouflage clothing is only an aid. It is not a cloak of invisibility. Any camouflage pattern is much more effective when used in conjunction with natural foliage and cover. A camouflaged hunter or scout peering *through* light brush, timber, or rocks has a much better chance of escaping detection than he who sits or stands directly in front of such concealment.

Equally important is the background you place yourself in front of. All the camouflage clothing in the world won't help you if you "skyline" yourself. This means standing or sitting on ridgetops, sitting in the shade of a tree with a bright patch of sunlit vegetation behind you, or light colored camouflage clothing against a dark background.

Pay attention to your background at all times and use natural cover whenever possible. It's the little things that get you. ●



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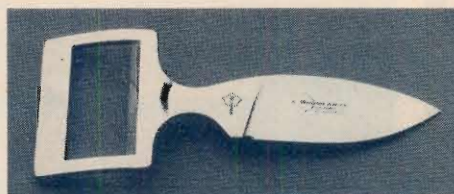
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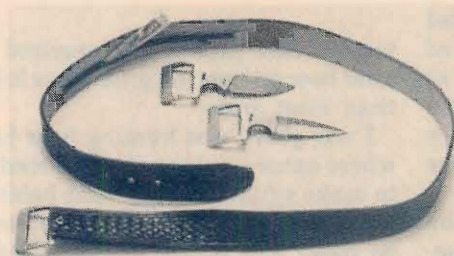
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HK 91 Bear Hunt

That in essence is why my guide Mike Mell and I were there. This unusual environment in Arizona's San Carlos and White Mountain Apache reservations is home to what is probably the largest group of Boone and Crockett bear anywhere in North America. In most bear country if times are hard and food is scarce there is nowhere to get a meal. Not so in this country. All the bear has to do in this strangely beautiful land is travel up or down in altitude. In some cases just look for another food source. In dry years prickly pear and century plant are available. Five different oak trees always supply at least one variety of acorn. Cedar berries, pinon nuts, manzanita berries abound, not to mention an abundant supply of insects, carrion and other bear favorites.

Mike had told me he had seen as many as 35 different bear in one day. I listened while Mike told me of a hunter he had taken who had missed a big cinnamon. The bear was called grizzly since it had a large hump at the shoulder. Three years later Mike took the hunter out again and they shot the same bear only now he was 3 years bigger.

Bear are able to feed longer in the warmer climates of Arizona. Hibernation is shortened and delayed, according to Joe Jojola, a native American biologist for the White Mountain tribe. Joe told me he had seen bear many times feeding around the Salt River during the middle of the hibernation season. More time to feed means the bear grow larger.

Another acquaintance is Dr. Fred Peters who lives in my home town. Fred has run bear for years with his fine string of dogs on the White Mountain Apache Reservation. Fred believes that for bear to grow large they need abundant food and time to grow as well as the necessary genetic makeup.

This area in Arizona seems to have an abundant supply of large-headed bears with longer than normal noses. I have seen many medium-size bears taken on the reservations with huge heads. Fred thinks that the biggest bear in the world might not reside in Arizona but that per capita, Arizona and in particular these two Apache reservations have more than their fair share of large bruins.

The reservations have very rugged



The terrain where the author hunted is arid and semi-arid. Water is often scarce.

terrain and guides are required to hunt bear, so hunting pressure is lower than most areas.

I was glad I was hunting bear here where nature and man had teamed up to make an ideal trophy bear habitat. The question was, would Mike and I be lucky and skilled enough to take advantage of this Apache bear paradise?

The truck stopped and Mike, Gary (an assistant guide) and I started a mile walk to the bait. A swirling wind was evident and Mike and Gary both muttered oaths under their breaths for just a whiff of human scent is enough to get a bear to run into the next county. We crept to our stand some 125 yards from the bait.

HK 91 — I propped my HK 91 against my leg. I was glad for the sturdy .308. The HK 91 is not your everyday hunting rifle to most people, but that is changing as more and more Americans come to appreciate its ruggedness and some of its unique features that can be adapted to hunting.

The 91 is the civilian derivative of the G-3 battle rifle with which some 48 or so free nations arm their armed forces. It will function under any conditions and it can take a bootin' and keep on shootin'.

What is really nice is the fact that you can use a bipod if you have the

opportunity, and the scope (and scope mount) can be taken off during a rough stalk for protection and then put back on to its original zero when it is needed again. This had come in might handy on a recent desert sheep hunt. The .308 round is plenty big for black bear and follow up shots if needed come very quickly in the semiauto format.

We unlimbered our binoculars and began to tear the country up with our eyes. As we strained to see far away a bruin appeared in front of us as if Scotty had just beamed him down. He was the red color so often seen in a Hereford steer. Mike let me know that this bear was too small for me! "He'll only go 325 lbs.," he whispered. Feeling like a prospector who has just emptied his pan of gold dust back into the river because his buddy has told him the stream is full of nuggets, I watched as that beautiful brown red bear suddenly exited the bait site with unwarranted haste. All of us felt he had winded us in the swirling breeze.

Mike had seen a nice blonde bear in the area several times and having admired blondes all my life I was hopeful that our blonde would make an appearance. Alas, as if the hunt was taken from the book of my love life, the blonde never made an entrance and once again as so many times before I was jilted.

We were watching a coyote catch a

mouse when Mike suddenly steam plant whispered to me, "Look at the size of him!" At the bait was a huge raven colored bear. So black he shimmered an electric blue in the dancing evening sun. Whereas, the first bear had seemed like a happy Boo Boo type this handsome character made me feel like I was a quarterback and he played the line for Chicago. Once again Mike whispered, "I know it's not the blonde but this bear is over 400 lbs. and he might crack 500 lbs. in the fall." I suddenly realized why the red bear had earlier fled so quickly. He had smelled the big bear coming to eat, and I knew that boar black bear do not tolerate each other real well and will fight to the death sometimes.

I lifted the HK 91 and got into the only shooting position I could manage on the hillside (sitting) and at the range of only 100 to 125 yards promptly shot the bear in his right front leg, in the meaty part. I had never before or after missed such an easy shot on a game animal. Mike looked at me as if I had just had an attack of gas at a funeral. The big blackie went completely cracker dog! He disappeared into a cedar thicket just as I fired again. The second shot has been rushed and again I missed, this time cleanly. As the bear roared through the thicket I could see 4-inch cedar limbs being ripped off of trees and hurled into the air. I knew by tracking debris that I would get one more chance at the big guy. I steadied and waited for him to emerge and he did at full speed. As the bear approached 150 to 175 yards I shot again and this time the jinx was broken and the prettiest bruin I had ever seen fell and rolled down the side of a ravine shot through the back of the neck. As the echos from the 91 slowed their reverberation a silence descended on the little canyon. The white hot flame that burns in your mind after a successful hunt surged and at the same time I felt the haunt-

ing sorrow in my heart at the death of the beautiful beast before me in the ravine.

The bear was 6 feet, 4 inches from tip of the tail to nose tip and had a 52-inch girth. Weight was figured at 410 to 425 lbs. This was just after the hibernation. His pelt was thick and unrubbed. Mike felt that it was one of the best hides he had ever helped take. This is the real bonus of a spring bear hunt. Not only can you bait the bear easier but the pelts are often completely unrubbed. Not true in the fall! Fall hunts do generally net the hunter a larger bear however, at least in Arizona.

Hunt Changes — Bear hunting in Arizona is changing. Soon only the reservations will have spring hunts and who knows how long that will continue. Research by game biologists such as Al LeCount with Arizona Game and Fish will probably show that fewer tags should be issued. This will put a dent into some trophy hunter's plans of course but true sportsman want what is best for the bears.

Al's book *Black Bear Field Guide*, a manager's manual, is must reading for the serious student of black bear and it is available from Arizona Game and Fish.

The time to hunt black bear on Arizona's two good bear-bearing Apache reservations is now and a tag is only \$100, but you must use a guide. A good guide can run from \$1,500 to \$2,700. If you use Mike Mell you will probably have only one complaint as I did. The hunt is too short. I had a record book bear two hours after exiting the pickup truck on my first day hunting! Mike gets the job done.

Though somewhat embarrassing, this story would not be complete without revealing my last thoughts and actions as I stayed with the bear and Mike went with Gary to see how far we

would have to pack the bear out and how close we could get the truck to the bear's location.

I was still somewhat upset at having missed the quick kill at 125 yards. Remembering Indian beliefs about the bear, I thought that since it was an Apache bear, perhaps an old Indian spirit had protected him. To this day Apache will not kill bear or even touch a road kill. Goose bumps popped out on my skin though it was not cold. So I, like so many native American hunters before me, bent over the bear's ear and whispered an apology for taking his life. What did I say? Well, that's between me and that big Apache bear. ●

WHO TO HUNT WITH

If you wish to hunt black bear in Arizona or on either of the good bear bearing reservations or any of the other species in Arizona's Big Ten, including Big-horn sheep (either species) contact Mike Mell of Ramrider Guides and Outfitters, 4500 West Johnson Dr., Showlow, AZ, 85901. Mike hunts both spring and fall bear. Larger bear are easier to find in the fall but often their coats are rubbed. Black bear are more unpredictable in the spring but have better coats and are prime for that bear rug you've always wanted. I hunted with Mike in the spring and took a large trophy bear with one of the finest coats even Mike had seen. Mike estimated that my bear would have weighted approximately 500 lbs. in the fall, when fat and ready for the hibernation. If you wish to hunt with hounds contact the reservations for a list of licensed guides who use them. You must have a guide to hunt bear on the reservations. For details:

For off reservation hunts contact Arizona Game and Fish Department, 2222 W. Greenway Road, Phoenix, AZ 85023, (602) 942-3000. White Mountain Apache Indian Reservation, Recreation Enterprises Office, Box 218, Whiteriver, AZ 85941, (602) 338-4385. San Carlos Apache Tribe, Office of Tourism, Box 0, San Carlos, AZ 85550, (602) 475-2361.

For off reservation bear hunts a tag will set you back \$50.50 in the fall for non residents. On the White Mountain Apache reservation the cost is \$100 for a tag plus guide service. Contact the San Carlos reservation for permit costs and other pertinent information. Seasons in Arizona off the reservation start on September 4 with many hunt units open to the middle of October. Several hunts start September 25 and last till the 1st day of December. The seasons on the reservations generally start in September and last till the end of May. Arizona bear populations are being studied and if a decline is noted, the state will probably go to a drawing-type permit system.



The author's hunting rifle: an HK 91 (.308 Win.) with Leupold 3 to 9 Compact scope.

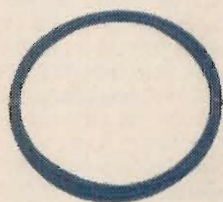
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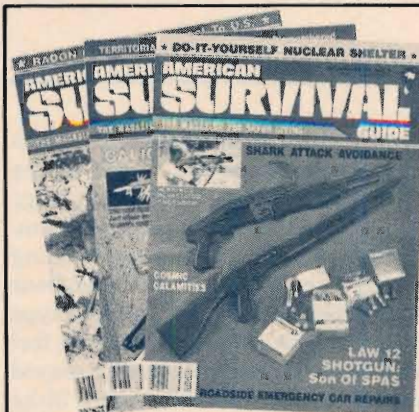
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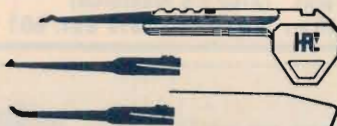
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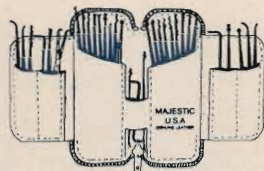
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The Sterling Company, which manufactured the De lisle silent carbine during WWII, also makes the Mark 5 silenced 9mm SMG (L34A1) in service with British and other armed forces, as well as the Mk 6 Carbine, Mk 7 Para Pistol and Mk 8 Carbine. Designed primarily to meet the demand of U.S. civilian enthusiasts, the Mk 6 is identical in appearance to the Sterling Submachine Gun Mk 4 except the barrel has been lengthened to conform with U.S. regulations and the Mk 6 is capable of semiautomatic fire only. It operates by blowback and has a floating firing pin. The Mk 8 is the same weapon as the Mk 6 except for a shorter barrel and mounts for a scope.

The Sterling Para Pistol Mark 7 is a special shortened version of the Mk 4 Submachine Gun and is available in fully automatic fire military versions (with 4- and 8-inch barrels) and semiautomatic police and civilian versions (also with 4- and 8-inch barrels). Introduced in 1983, the Mk 7 was designed for vehicles, special forces, pilots and air crews where confined space is a factor in using a firearm. The military versions, designated A4 (4-inch barrel) and A8 (8-inch barrel) fire from an open bolt and are capable of full-auto or semiauto fire. A suppressor is available for these guns. The semiautomatic versions of the Mk 7, designated C4 (4-inch barrel) and C8 (8-inch barrel), fire from a closed bolt with floating firing pin and have fittings for mounting a scope.

All these weapons, along with all manufactured accessories, including 10-, 15- and 34-round single and twin-stacked magazines, bayonets, detachable stocks, cleaning and sight adjustment equipment, ammunition and blank firing attachments, are imported by Cassi, Inc., of Colorado Springs.

Shooting—A member of the ASG staff recently purchased an Mk 6 Carbine and Mk 7 C4 Para Pistol and we were able to examine, test fire and evaluate them.

Both guns are black, with black, crinkled paint finishes. Each feels a bit heavy. The para pistol weighs in at about 6 lbs. empty while the Mk

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Carbine, Mk 7 Para Pistol

(Continued from page 24)

6 Carbine is about 7.5 lbs. unloaded. There is very little recoil or muzzle rise experienced when firing the Mk 6 but the extra weight of the para pistol definitely reduces felt recoil and muzzle flip when firing. Muzzle flash and noise are quite noticeable with the para pistol with its shorty barrel.

Firing at targets from about 35 to 40 yards away, shooters found the carbine to be pretty accurate, although we thought the front sight needed some adjustment for proper zeroing. We did not do as well with the para pistol firing at the same targets, as might be expected. With its 4-inch barrel, this weapon is meant for close-up shooting. Although we did not have enough ammunition to fire the para pistol extensively at close range, we are certain it is an effective weapon for close-in use.

On hand for the test shooting we had some Israeli Uzi 115-grain ball, some Italian Focchi 115-grain ball and some PMC 115-grain jacketed hollow point ammo. We used up all of the full metal jacketed ammunition and about half of the PMC hollow points with good results.

There were a few jams experienced when firing the Mk 6. We later attributed these to shooters' unfamiliarity with the weapon and not having a

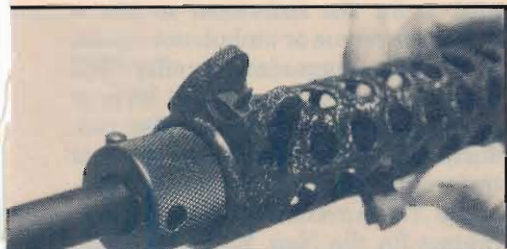
firm hold on it during firing, required for proper cycling of the ammunition in this blowback-operated weapon. Although we fired the para pistol less than the Mk 6, there were no jams or other malfunctions at all experienced with the pistol. Both guns appeared to cycle the hollow points equally as well as the full metal jacketed stuff. We should point out, however, that Sterling recommends the use of only commercial ball type ammunition in these weapons and that is what they were meant to fire.

Based on our limited testing of the guns, we think both are outstanding firearms of excellent quality. Each Sterling is tested and proofed by the British government before shipment and the battle proven design is intended to stand up to and continue functioning under the most adverse hot and cold climatic conditions. With suggested retail prices of around \$600

each, the Mk 6 and Mk 7 are not cheap. But if quality and reliability are what you're after, these would be among the best 9mm weapons you could own. Ask your gun dealer about the Sterlings, or contact Cassi, Inc. to find out who sells them near you. Cassi will also sell directly to the public but sells mostly to dealers. Fully automatic Sterlings are available for sale to law enforcement and qualified individuals. ●



These permanently attached twin-stacked magazines, each holding 34 rounds, can be used on any Sterling weapon and provide considerable firepower.



The Mk 6 rear sight consists of two apertures, one for 100 meters and one for 200 meters. Front sight is a post adjustable with an Allen wrench for windage and elevation.

Sterling Mk 6 Carbine: Tech Specs

Caliber	9mm Parabellum (NATO)
Type	semiautomatic
Operation	blowback with floating firing pin
Weights:	
unloaded	7.5 lbs.
With full 34-round magazine	9 lbs., 2 ozs.
Lengths:	
With stock extended	35 inches
With stock folded	27 inches
Barrel	16.125 inches
Number of grooves, twist	.6, RH (1 turn in 9.84 inches)
Sight radius	16 inches
Front sight	post adjustable for windage, elevation
Rear Sight	aperture, 100, 200 meters
Maximum range	600 meters
Price, suggested	\$650
Importer	Cassi, Inc., Dept. ASG, 4320 Northpark Dr., Colorado Springs, CO 80907; (719) 531-7878

Sterling Mk 7 C4 Para Pistol: Tech Specs

Caliber	9mm Parabellum (NATO)
Type	semiautomatic
Operation	blowback with floating firing pin
Weights:	
Unloaded	6.25 lbs.
With full 34-round magazine	7 lbs., 14 ozs.
Lengths:	
Overall	18.5 inches
Barrel	4.25 inches, 6 grooves, RH
Sights:	
Radius	9.75 inches
Front sight	post adjustable for windage, elevation
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Medical Tech

Continued from page 31

of interest to you. For instance, many EMTs who ski find that they are able to work as ski patrolmen for local ski areas. Others who like surf and sand can find summer employment as life-guards at beaches or vacation resorts. The demand for trained EMTs grows steadily each year, and even if you already have a job or career, becoming an EMT can serve as a "reserve" career should the need ever arise.

Traditionally many rural areas in the U.S. depend heavily on volunteers to staff their ambulance, fire, and rescue services. With more and more people leaving the large cities, the demand for these services in smaller localities continues to grow. A trained EMT will find himself welcomed by the local volunteer emergency service. By volunteering his time and skill the EMT will be giving back something of great value to his community. He will also get the opportunity to polish the skills he worked so hard to learn. Last but not least, the personal satisfaction of helping, particularly when that help is really needed, is a large part of the reason for volunteering. There is no feeling in the world quite like the feeling of knowing that you helped save a life.

There are a number of ways to get EMT training. One of the most common is for the individual to join a volunteer rescue or ambulance squad. Many of these organizations offer EMT training to their members at little or no cost. EMT courses are also conducted at commercial emergency care training centers, or through local hospitals. The current cost of one of these courses (in the New York City Area) is between \$300 and \$400.

For those interested in taking a course, it is advisable to contact a number of different agencies for information. The local American Red Cross chapter is a good place to start. You can also try your state Board of Health and local volunteer agencies for more information.

For those seriously interested in survival planning, EMT training can be a valuable addition to their library of survival skills. The EMT can use his knowledge and training in everyday living as well as in a major natural or man made disaster. Having someone in your family or group with EMT skills could well mean the difference between life and death. ●

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OCTOBER 1988/AMERICAN SURVIVAL GUIDE 71



Nomad Shelters:

A Wickiup Whenever, Wherever

*A primitive shelter built of materials found in
nearly any geographic region . . .*

By Scott Stoddard

IN the beginning, the Kickapoo believe that their great god and creator, *Kitzihiat*, lived in the first *wickiup*, a prototype of the Kickapoo winter house. His son, the Kickapoo "culture hero" known as *Wisaka*, was shown the materials, techniques, customs, and rituals for building and living in these houses. He in turn taught them to a proud and wandering tribe named the *Kiwigapawa*, which means "He moves about," and more commonly

known as the Kickapoo.

Though the Kickapoo have migrated over 1500 miles, originating in the colder climates of the Great Lakes and finally settling centuries later in the deserts of northern Mexico, they have preserved their customs and forms of house building with virtually no change from the beginning.

The Apaches also lived in wickiups. When there was peace and the people were to stay put for a reasonable time,

they built them elaborately — large, comfortable residences. In time of war they were no more than shelters hastily thrown together. An Apache band could break camp and be gone in a matter of minutes.

The wickiup can be made in two forms: rounded and dome shaped like the Wichita grass house, or with a pointed roof like a tepee. Wickiups are easy to build and the materials are found virtually anywhere. A frame-



The first step in building a wickiup is finding and cutting poles. A machete works well when used on green saplings.



Trevor Wilson chops at one of the last poles needed to make the wickiup.



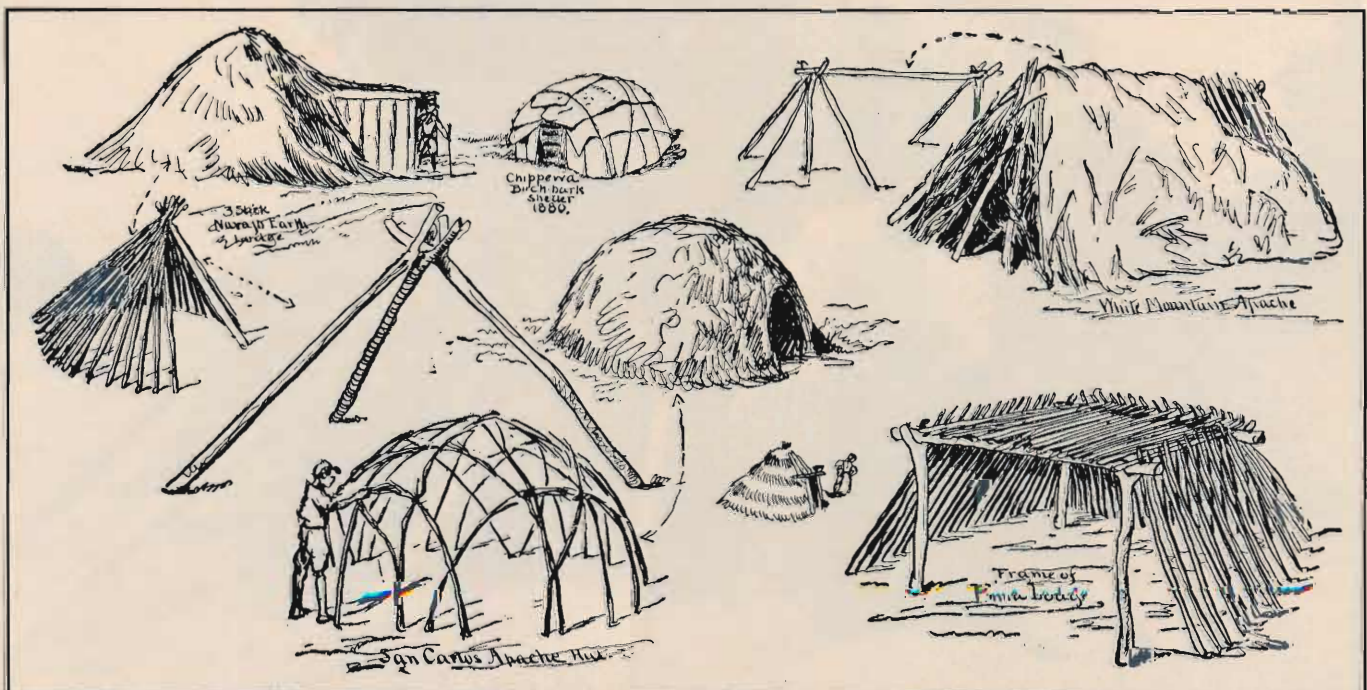
After cutting about 20 poles, the ends are cut to length and the bark may be removed.



We began to build the shelter wigwam style, but the poles were too stiff to bend properly.



Poles are placed tepee style to form the wickiup.



A Wickiup Whenever, Wherever

work of poles is covered with branches, leaves and grass and sometimes covered with earth. The Kickapoos cover them with cattail mats which are carefully sewn together.

In an effort to see how much time and how difficult it would be to construct a simple wickiup, a staff member from ASG and a willing assistant set off with a couple of machetes and a few yards of twine for the test.

We cut 20 willow poles about 12 to 15 feet long and one to two inches in diameter for the frame. It took about an hour to find and cut reasonably straight green poles. Thinner poles would have worked better in the making of a dome structure, for when we tried to sink the poles into the hard dry ground and then bend them over, the poles cracked and slipped out of the holes we tried to dig in the ground.

Our option was to build the tepee style wickiup by laying the poles against the four pole dome frame we had started. After all twenty poles were in position, twine was used to help secure the poles.

We thatched the wickiup using wil-

low and eucalyptus branches. Since we weren't worried about rain, we arranged the branches only to create a thick shade for protection against the sun. We left the bottom of the wickiup free of thatching so a breeze could filter through the new shelter. In colder weather we would have added plenty of insulation material, and then dirt to form a draft free shelter.

For more information on building wickiups an interesting little book titled *Shelters, Shacks, and Shanties* by D.C. Beard contains information on shelters, from the most primitive Indian lean-to to the most elaborate log cabin. There are plenty of useful illustrations (see drawings in this article) and handy ideas on pioneering skills. Available for \$11.95 plus \$3 S&H from Loompanics Unlimited, Dept. ASG, P.O. Box 1197, Port Townsend, WA 98368.

A wickiup is probably the simplest, most protecting and quick shelter to build when out stranded or lost in the wilds. We completed ours in under two hours, but could have spent all day making it stronger, rain resistant, and more comfortable. ●

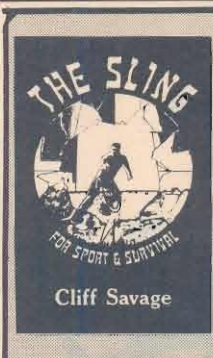


Willow branches and eucalyptus leaves were used as thatching.



The finished wickiup with bottom unthatched for cross ventilation.

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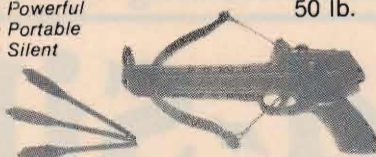
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Accumulating Wealth:

Gold-Silver Ratio Strategy

By R. E. Kelsey

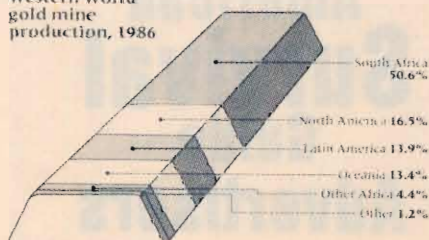
How to increase your precious metal holdings without using additional cash . . .

This article by Robert Kelsey, account executive with Financial Analysis Services, Inc., in Scottsdale, Arizona, discusses how an investor can trade gold for silver and vice versa to increase overall wealth without spending hard-earned cash. Readers interested in additional information on the gold-silver ratio strategy are invited to contact Kelsey at Financial Analysis Services, Inc., at 1-800-826-9730 (in Arizona 1-800-233-5728). There is no obligation —The editors.



ABOVE — Bernhardt Otto Holtermann was co-discoverer, at Fossil End, New South Wales in 1872, of the biggest mass of reef gold ever taken from the earth.

Western world gold mine production, 1986



THE strategy of trading gold for silver, and vice versa, is based upon the fact that there have always been fluctuations in the price ratio of gold to silver. The cause of these fluctuations is seldom the same, but includes government policies, international uncertainty, inflation, poor economic news, etc. Whatever the reasons, changes in the gold-to-silver ratio *do* occur, and that fact can be used to advantage.

Gold-silver ratio trading has been used over the years as a safe and profitable strategy for investors. The same method can be used by the survivalist to increase the amount of gold or silver owned without any additional investment.

The gold-silver ratio strategy takes advantage of the fact that while gold and silver usually move in the same direction, they do not move at the same rate. You can take advantage of these differing rates of movement by trading your gold for silver when gold is relatively over-valued compared to

silver, and trading silver for gold when silver is relatively over-valued compared to gold. This strategy requires no split-second timing.

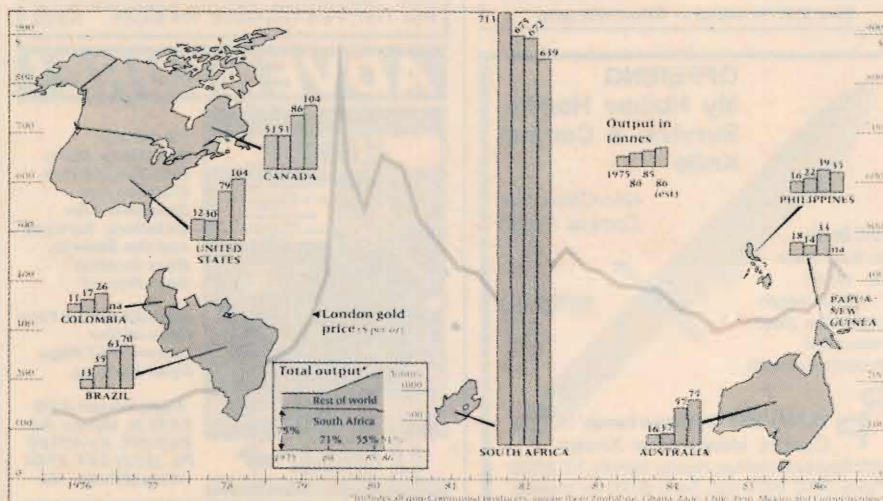
How do you know when to make the ratio trade? Simple: Divide the gold price by the silver price. At a ratio above 35 to 1, silver is under-valued compared to gold. Below 35 to 1, gold is under-valued compared to silver.

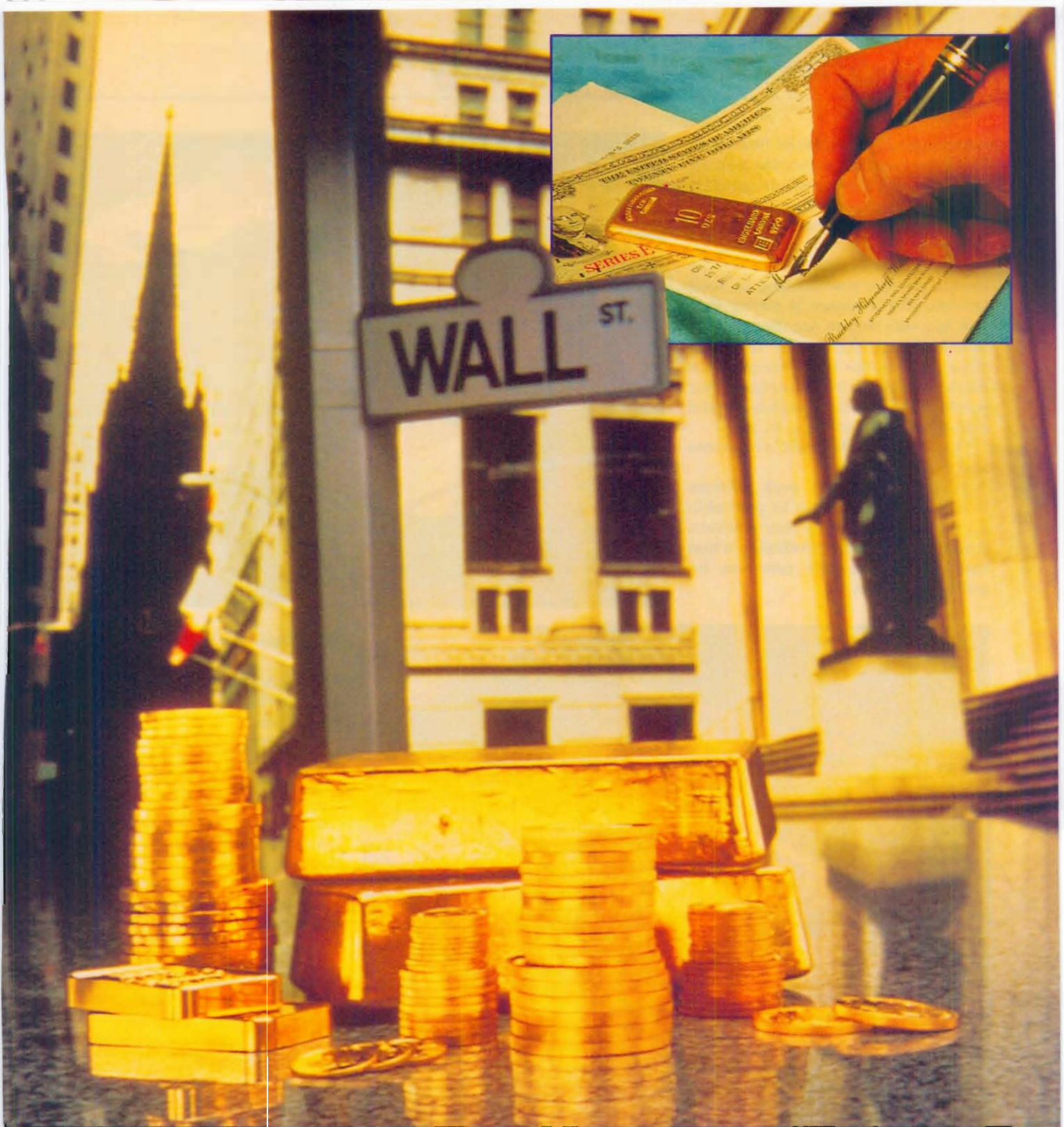
By trading the gold/silver ratio you can dramatically increase the number of ounces of gold and silver you own.

For example: If the ratio is 40 to 1, you can trade 10 ounces of gold for 400 ounces of silver. When the ratio moves back to 30 to 1, you can trade back 400 ounces of silver for 13 ounces of gold. This leaves you with a net gain of 3 ounces of gold.

Alternately, you may only trade 300 ounces of silver to return to your original 10 ounces of gold, leaving a net gain of 100 ounces of silver.

The strategy is a trading method designed for those who wish to: 1) Stay at all times in precious metals.





2) Increase their assets without risk.

The strategy is perfect for the long-term precious metal holder. While most trading schemes involve jumping in and out of markets and trying to hit every top and bottom, this strategy is quite different.

You are never out of precious metals when you follow the gold-to-silver ratio strategy. For example, if the strategy calls for selling silver, you will be

PERFORMANCE OF THE STRATEGY

A simple example of growth through ratio trading:

Purchase Date	Ratio	Exchange	Investment
June 1982			Initial Investment 2,000 oz. Silver
January 1983	34.5	S for G	New Holdings 54.5 oz. Gold
March 1983	40.0	G for S	New Holdings 2,092 oz. Silver
May 1983	33.5	S for G	New Holdings 58.7 oz. Gold
December 1983	47.0	G for S	New Holdings 2,594 oz. Silver

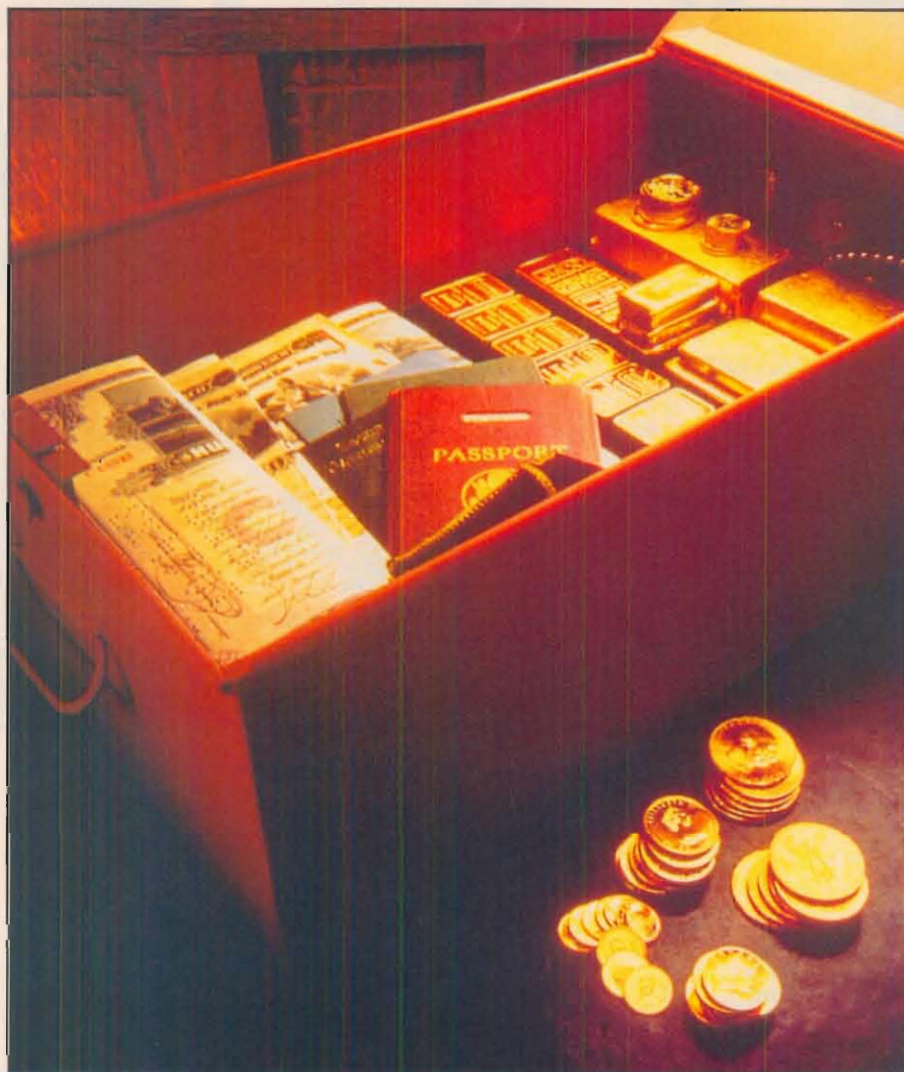
Gold-Silver Ratio Strategy

simultaneously buying gold. You, therefore, have constant protection against inflation, and a tremendous opportunity for an expansion of your reserves.

One great advantage of the strategy is that it requires no additional investment dollars. You simply put the metals you are now holding to work for you. The evidence is strong that this is a safe way to acquire precious metals. Since changes in the ratio often occur in the faster-moving bear markets, it is possible to increase your portfolio value even though both gold and silver are declining in price.

This is because the profit is in ounces and not in dollars.

So, the strategy can work anytime in a market cycle. It can be profitable during bull markets or bear markets. **And it may even be profitable when the precious metals seem to be going nowhere.**



REASONS TO TRY THE STRATEGY

1) No Additional Investment — You can use the gold and silver that you already own.

2) No Additional Risk — You only make the trade after the ratio is in your favor, by calculation, not by speculation.

3) Constant Protection — You are always in either gold or silver and, therefore, have the traditional precious metals protection against inflation.

4) Potential Tax Advantages — While everyone's tax situation varies, you may find that a tax liability would only be assumed when you finally sold out your precious metals, and not on an annual basis.

5) No Special Knowledge — The strategy is simple and requires only watching the timing.

6) No Complex System — Unlike most trading systems, the strategy requires no complex charting techniques or split-second timing.

The strategy requires thinking in ounces instead of dollars. For years survivalist advisors have said repeatedly that gold and silver are the only real money, that they alone have intrinsic value, while paper money does not. The strategy makes the investor focus on this basic truth. The strategy isn't designed to accumulate paper dollars; the strategy is designed to accumulate gold and silver. ●

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